

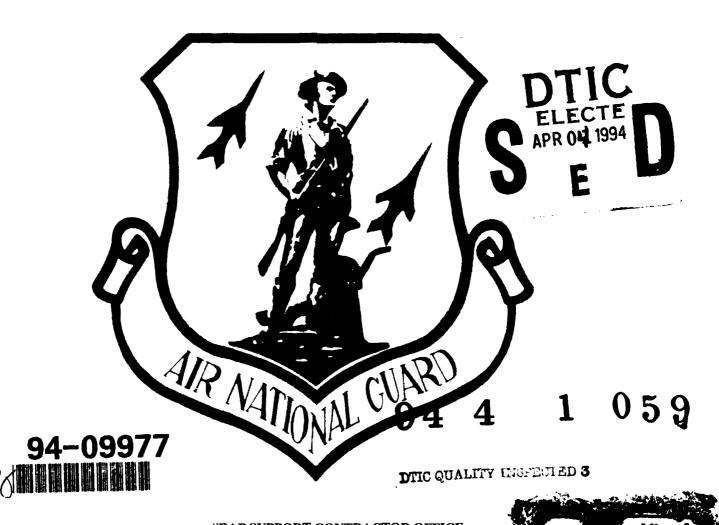
INSTALLATION RESTORATION PROGRAM

AD-A277 707

INDIANA AIR NATIONAL GUARD 122nd TACTICAL FIGHTER WING FORT WAYNE, INDIANA

SITE INSPECTION REPORT

FINAL



MAZWRAP SUPPORT CONTRACTOR OFFICE

Oak Ridge, Tennessee 37831
Operated by MARTIN MARIETTA ENERGY SYSTEMS, INC.
For the U.S. DEPARTMENT OF ENERGY under contract DE-AC05-840R21400

AIR NATIONAL GUARD INSTALLATION RESTORATION PROGRAM INDIANA AIR NATIONAL GUARD 122nd TACTICAL FIGHTER WING FORT WAYNE, INDIANA

SITE INSPECTION REPORT FINAL

Submitted to:

Air National Guard Readiness Center Andrews Air Force Base, Maryland

A-1		
Dist	Avail an Spec	
А	vailability	Codes
By Distrib	ution /	
DTIC	ounced	Ž -
Accesio	on For	

Submitted by:

Hazardous Waste Remedial Actions Program
Martin Marietta Energy Systems, Inc.
Oak Ridge, Tennessee

For the:

U.S. Department of Energy Under Contract No. DE-AC05-840R21400 General Order No. 89B-99790C, Task Y-01

Prepared by:

Science Applications International Corporation 1710 Goodridge Drive McLean, Virginia

01-0827-03-0349-009

DTIC QUALITY INCRECTED 3

January 1994

TABLE OF CONTENTS

Section	<u>Page</u>
EXECUTIVE SUMMARY	. ES-1
1. INTRODUCTION	1-1
1.1 INSTALLATION RESTORATION PROGRAM OBJECTIVES AND SEQUENCE	1-1
1.2 PROJECT BACKGROUND AND PURPOSE	1-2
1.3 REPORT ORGANIZATION	1-3
1.4 FACILITY BACKGROUND	1-4
1.4.1 Facility History	1-4
1.4.2 Site Descriptions	1-6
1.5 REGIONAL SETTING	1-9
1.5.1 Regional Land Use	1-9
1.5.2 Geology	1-9
1.5.3 Regional and Local Hydrogeology	. 1-10
1.5.4 Climate and Surface Drainage	. 1-11
2. FIELD PROGRAM	2-1
2.1 FIELD PROGRAM SUMMARY AND RATIONALE	2-1
2.1.1 Site 1 - Former Fire Training Area (FTA)	2-1
2.1.2 Site 3 - Hazardous Waste Collection Area (HWCA)	2-5
2.1.3 Site 4 - POL Spill Area	2-7
2.1.4 Background Sampling	. 2-12
2.2 GEOLOGIC AND HYDROGEOLOGIC INVESTIGATION	. 2-12
2.2.1 Static Groundwater Measurements	. 2-12
2.2.2 Aquifer Testing	. 2-14
2.3 SOIL GAS SURVEY	. 2-14
2.4 DRILLING SUMMARY AND PROCEDURES	. 2-15
2.5 MONITORING WELL AND PIEZOMETER INSTALLATION	. 2-15
2.6 SURVEYING	. 2-16
2.7 FID SCREENING	. 2-16

Table of Contents (Continued)

<u>Section</u>	<u>Page</u>
2.8 DECONTAMINATION PROCEDURES	2-18
2.9 SAMPLING PROGRAM AND PROCEDURES	2-21
2.9.1 Soil Sampling	2-21
2.9.2 Geotechnical Sampling and Analysis	2-21
2.9.3 Sediment Sampling	2-26
2.9.4 Groundwater Sampling	2-26
2.10 DISPOSAL OF WASTES FROM FIELD ACTIVITIES	2-27
3. RESULTS AND SIGNIFICANCE OF FINDINGS	3-1
3.1 BASE GEOLOGY AND HYDROGEOLOGY	3-1
3.1.1 Base Geology	3-1
3.1.2 Base Hydrogeology	3-2
3.2 DATA QUALITY ASSESSMENT	3-5
3.2.1 Data Quality Objectives	3-6
3.2.1.1 Precision	3-6
3.2.1.2 Accuracy	3-9
3.2.1.3 Representativeness	3-11
3.2.1.4 Comparability	3-12
3.2.1.5 Completeness	3-13
3.2.2 Tentatively Identified Compounds	3-13
3.3 BACKGROUND SAMPLING	3-14
3.4 SITE 1 - FORMER FIRE TRAINING AREA	3-20
3.4.1 Site-specific Geologic Discussions	3-21
3.4.2 Soil Sampling Results	3-21
3.4.2.1 Analytical Results of Samples Collected Above the Former FTA Surface	3-22
3.4.2.2 Analytical Results of Soil Samples Collected Below the Former FTA Surface	3-22

Table of Contents (Continued)

Section]	Page
	3.4.2.3 Evaluation of Soil Sampling Results	3-23
	3.4.3 Groundwater Sampling Results	3-25
	3.4.4 Summary and Extent of Soil and Groundwater Contamination	3-27
3.	SITE 3 - HAZARDOUS WASTE COLLECTION AREA	3-49
	3.5.1 Site-specific Geologic and Hydrogeologic Discussions	3-49
	3.5.2 Soil Sampling Results	3-50
	3.5.2.1 Analytical Results for Soil Samples	3-50
	3.5.2.2 Evaluation of Results	3-51
	3.5.3 Groundwater Sampling Results	3-53
	3.5.4 Summary and Extent of Soil and Groundwater Contamination	3-54
3.	SITE 4 - POL SPILL AREA	3-66
	3.6.1 Soil Gas Survey Results	3-67
	3.6.2 Soil Sampling Results	3-68
	3.6.3 Sediment Sampling Results	3-70
	3.6.4 Groundwater Sampling Results	3-71
	3.6.5 Pertinent Information Required for UST System Release Response	3-72
	3.6.6 Summary and Extent of Contamination	3-73
4. PU	LIC HEALTH RISK EVALUATION	4-1
4.	INTRODUCTION	4-1
4.	DATA COLLECTION AND EVALUATION	4-2
	4.2.1 Chemicals in Soil	4-2
	4.2.2 Chemicals in Groundwater	4-5
4.	EXPOSURE ASSESSMENT	4-10
	4.3.1 Overview and Objectives	4-10
	4.3.2 Characterization of Exposure Setting: Conceptual Site Models	4-11
	4.3.3 Exposure Assumptions	4-14
	4.3.4 Intake Estimates for Current Land Use	4-16

Table of Contents (Continued)

<u>Se</u>	<u>ction</u>	Page
	4.3.4.1 Ingestion Exposure of Base Personnel	4-16
	4.3.4.2 Dermal Exposure of Base Personnel	4-17
	4.3.5 Intake Estimates For Future Land-use Scenario	4-18
	4.3.5.1 Limited Ingestion Exposure of Onsite Construction Workers	4-18
	4.3.5.2 Limited Dermal Exposure of Onsite Construction Workers	4-19
	4.3.5.3 Commercial Exposures by Ingestion of Onsite Soil	4-20
	4.3.5.4 Commercial Exposure by Dermal Route to Onsite Soil	4-21
	4.4 TOXICITY ASSESSMENT	4-22
	4.5 RISK CHARACTERIZATION	4-27
	4.5.1 Overview	4-27
	4.5.2 Guidelines for Risk Characterization	4-27
	4.5.3 Risk Characterization for Current Land-use Scenario	4-28
	4.5.4 Risk Characterization for Future Land Use Scenario	4-33
	4.5.4.1 Risk Characterization for Construction Scenario	4-33
	4.5.4.2 Risk Characterization for Commercial Exposures	4-38
	4.6 UNCERTAINTY EVALUATION	4-38
	4.7 ECOLOGICAL EVALUATION	4-44
	4.7.1 Overview	4-44
	4.7.2 Current Ecological Setting	4-47
	4.7.3 Evaluation	4-48
	4.8 SUMMARY AND CONCLUSIONS OF THE PRELIMINARY RISK EVALUATION	4-50
5.	CONCLUSIONS AND RECOMMENDATIONS	. 5-1
	5.1 SITE 1 - FORMER FIRE TRAINING AREA	5-1
	5.2 SITE 3 - HAZARDOUS WASTE COLLECTION AREA	5-3
	5.3 SITE 4 DOI SDILL AREA	5-4

APPENDICES

Appendix A - Soil Gas Survey

Appendix B - Borehole Logs & Monitoring Well As-Builts

Appendix C - Sample Location Survey Coordinates

Appendix D - Aquifer Test Procedures and Results and Water Level Measurement Results

Appendix E - Laboratory Analytical Results Data Presentation

Appendix F - Data Quality Assessment

Appendix G - Risk Assessment Procedures

Appendix H - Geotechnical Analytical Results

LIST OF FIGURES

<u>Figure</u>		<u>Page</u>
1-1	Installation Location and Topographic Map	1-5
1-2	Site Location Map	1-7
2-1	Site 1 - Former Fire Training Area Monitoring Well and Soil Boring Locations	2-4
2-2	Site 3 - Hazardous Waste Collection Area, Monitoring Well, and Soil Boring Locations	2-6
2-3	Site 4 - POL Spill Area Monitoring Well and Soil Boring Locations	2-8
2-4	Site 4 - POL Spill Area Soil Gas and Water Sampling Locations	2-10
2-5	Site 4 - POL Spill Area Sediment Sample Locations	2-11
2-6	Background Sample Locations	2-13
2-7	Typical Monitoring Well and Piezometer Construction	2-17
3-1	Potentiometric Surface and Regional Groundwater Flow Pattern, Allen County (Source: Bleuer and Moore 1978)	3-3
3-2	Groundwater Contour Map	3-4
3-3	Background Sample Locations	3-16
3-4	Site 1 - Former Fire Training Area Geologic Profile Location	3-29
3-5	Site 1 - Former Fire Training Area Geologic Profile	3-30
3-6	Site 1 - Former Fire Training Area Monitoring Well and Soil Boring Locations	3-31
3-7	Site 1 - Former Fire Training Area Depth Profile of Analytical Results	3-42
3-8	Site 3 - Hazardous Waste Collection Area Geologic Profile Location	3-56
3-9	Site 3 - Hazardous Waste Collection Area Geologic Profile	3-57
3-10	Site 3 - Hazardous Waste Collection Area Monitoring Well and Soil Boring Locations	3-58
3-11	Site 3 - Hazardous Waste Collection Area Depth Profile of Analytical Results	3-62
3-12	Site 4 - POL Spill Area Soil Gas and Water Sampling Locations	3-75
3-13	Site 4 - POL Spill Area Monitoring Well and Soil Boring Locations	3-76
4-1	Conceptual Site Model, Sites 1 and 3	4-12

LIST OF TABLES

Table		Page
2-1	Summary of Site Inspection Program Activities, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	2-2
2-2	Summary of Field Screening Results During Site Inspection Activities, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	2-19
2-3	Site-Specific Sample Analysis Summary for Site Inspection at 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	2-22
2-4	Summary of Analytical Methods and Parameters for Phases I and II of the Site Inspection at 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	2-24
3-1	Summary of Analytical Results for Background Samples, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	3-17
3-2	Summary of Analytical Results for Soil Samples from Site 1 - Former Fire Training Area, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	3-32
3-3	Summary of Analytical Results for Groundwater Samples from Site 1 - Former Fire Training Area, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	3-47
3-4	Summary of Analytical Results for Soil Samples from Site 3 - Hazardous Waste Collection Area, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	3-59
3-5	Summary of Analytical Results for Groundwater Samples for Site 3 - Hazardous Waste Collection Area, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	3-64
3-6	Summary of Analytical Results for Soil Samples from Site 4 - POL Spill Area, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	3-77
3-7	Summary of Analytical Results for Sediment Samples from Site 4 -POL Spill Area, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	3-82
3-8	Summary of Analytical Results for Groundwater Samples from Site 4 - POL Spill Area, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	3-84

LIST OF TABLES (continued)

<u>Table</u>		Page
4-1	Comparison of Background Soils and Site-specific Soil Concentrations for Selected Chemical of Potential Concern: 122nd Tactical Fighter Wing, Indiana Air national Guard, Fort Wayne, Indiana	4-4
4-1a	Applicable or Relevant and Appropriate Requirements for Groundwater: 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	4-6
4-2	Comparison of Groundwater Concentrations with ARARs at Site 1 - Former Fire Training Area, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	4- 7
4-3	Comparison of Groundwater Concentrations with ARARs at Site 3 - Hazardous Waste Collection Area, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	4-8
4-4	Toxicity Measures for Waste Site Evaluation: Ingestion and Dermal Exposure Pathways, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	4-26
4-5	Risk Characterization for Site 1 - Former Fire Training Area, Ingestion Exposure of Base Personnel to Surficial Soil Contaminants, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	4-29
4-6	Risk Characterization for Site 1 - Former Fire Training Area, Dermal Exposure of Base Personnel to Surficial Soil Contaminants, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	4-30
4-7	Risk Characterization for Site 3 - Hazardous Waste Collection Area, Ingestion Exposure of Base Personnel to Surficial Soil Contaminants, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	4-31
4-8	Risk Characterization for Site 3 - Hazardous Waste Collection Area, Dermal Exposure of Base Personnel to Surficial Soil Contaminants, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	4-32
4-9	Risk Characterization for Site 1 - Former Fire Training Area, Ingestion Exposure of Onsite Construction Workers to Subsurface Soil Contaminants, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	4-34

LIST OF TABLES (continued)

<u>Table</u>		Page
4-10	Risk Characterization for Site 1 - Former Fire Training Area, Dermal Exposure of Onsite Construction Workers to Subsurface Soil Contaminants, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	4-35
4-11	Risk Characterization for Site 3 - Hazardous Waste Collection Area, Ingestion Exposure of Onsite Construction Workers to Subsurface Soil Contaminants, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	4-36
4-12	Risk Characterization for Site 3 - Hazardous Waste Collection Area, Dermal Exposure of Onsite Construction Workers to Subsurface Soil Contaminants, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	4-37
4-13	Risk Characterization for Site 1 - Former Fire Training Area, Ingestion Exposure of Commercial Community to Subsurface Soil Contaminants, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	4-39
4-14	Risk Characterization for Site 1 - Former Fire Training Area, Dermal Exposure of Commercial Community to Subsurface Soil Contaminants, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	4-40
4-15	Risk Characterization for Site 3 - Hazardous Waste Collection Area, Ingestion Exposure of Onsite Construction Workers to Subsurface Soil Contaminants, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	4-41
4-16	Risk Characterization for Site 3 - Hazardous Waste Collection Area, Dermal Exposure of Onsite Construction Workers to Subsurface Soil Contaminants, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	4-42
4-17	Summary of Uncertainty in Health Risk Assessment, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	4-45

LIST OF ACRONYMS AND ABBREVIATIONS

ADI Average Daily Intake

ANGB Air National Guard Base

ANGRC Air National Guard Readiness Center

ARAR Applicable or Relevant and Appropriate Requirement

ASTM American Society for Testing and Materials

BGS Below Ground Surface

BTEX Benzene, Toluene, Ethylbenzene, and Xylenes

CLP Contract Laboratory Program

CRDL Contract Required Detection Limit

DOD U.S. Department of Defense

DOE U.S. Department of Energy

DOO Data Quality Objective

EIS Environmental Impact Statement

Energy Systems Martin Marietta Energy Systems, Inc.

EPA U.S. Environmental Protection Agency

FEMA Federal Emergency Management Agency

FFS Focused Feasibility Study

FID Flame Ionization Detector

FS Feasibility Study

FTA Fire Training Area

GC/MS Gas Chromatography/Mass Spectrometry

HAZWRAP Hazardous Waste Remedial Actions Program

HEAST Hazard Evaluation Assessment Summary Table

HI Hazard Index

HMTC Hazardous Materials Technical Center

HO Hazard Quotient

HWCA Hazardous Waste Collection Area

ID Inside Diameter

List of Acronyms and Abbreviations (Continued)

IDEM Indiana Department of Environmental Management

IDNR Indiana Department of Natural Resources

IRIS Integrated Risk Information System

IRP Installation Restoration Program

LCS Laboratory Control Sample

LOAEL Lowest-Observable-Adverse-Effect Level

MCL Maximum Contaminant Level

MCLG Maximum Contaminant Level Goal

MSL Mean Sea Level

MS/MSD Matrix Spike/Matrix Spike Duplicate

NCP National Contingency Plan

NGB National Guard Bureau

NIST National Institute of Science and Technology

NOAA National Oceanographic and Atmospheric Administration

NOAEL No-Observable-Adverse-Effect Level

OD Outside Diameter

OER Office of Environmental Response

PA Preliminary Assessment

PAH Polynuclear Aromatic Hydrocarbon

PARCC Precision, Accuracy, Representativeness, Comparability, and Completeness

PCB Polychlorinated Biphenyl

PDF Probability Density Function

PMCL Proposed Maximum Contaminant Level

PMCLG Proposed Maximum Contaminant Level Goal

POL Petroleum, Oil, and Lubricants

PRP Potentially Responsible Party

QA/QC Quality Assurance/Quality Control

RD Remedial Design

RfC Reference Concentration

List of Acronyms and Abbreviations (Continued)

RfD Reference Dose

RI Remedial Investigation

RM Remedial Measure

RME Reasonable Maximum Exposure

RPD Relative Percent Difference

SAIC Science Applications International Corporation

SI Site Inspection

SOP Standard Operating Procedure

SOW Statement of Work

SVOC Semivolatile Organic Compound

TCLP Toxicity Characteristic Leaching Procedure

TDS Total Dissolved Solids

TIC Tentatively Identified Compound

TPH Total Petroleum Hydrocarbon

TRC Tracer Research Corporation

USGS U.S. Geodetic Survey

UST Underground Storage Tank

VOC Volatile Organic Compound

EXECUTIVE SUMMARY

This Site Inspection (SI) Report presents the findings of an SI conducted under the U.S. Department of Defense (DOD) Installation Restoration Program (IRP) at three sites at the 122nd Tactical Fighter Wing, Indiana Air National Guard Base (ANGB), Fort Wayne, Indiana. The SI was conducted in two phases; the first phase was planned and conducted to obtain data to confirm the presence or absence of suspected environmental contamination at the three sites. The Phase I activities were conducted during August and September 1990. During Phase activities, contamination in site soils was found. It also was determined that additional data were needed to fill in data gaps that were identified during the evaluation of field and laboratory data. Accordingly, Phase II activities were planned to obtain data to:

- Confirm the presence of contaminants detected during Phase I
- Delineate the extent of contamination found
- Evaluate the risk posed by any verified contamination to human health and the environment.

Phase II activities were conducted during October and November 1991. This report presents the findings and conclusions from the overall SI activities and presents recommendations for the three significant investigated.

Site 1 - Former Fire Training Area (FTA) was in operation from the late 1950s to 1972. An estimated 9,500 gallons of jet fuel and some waste oil and gasoline were used at this site during the period of operation. Site 3 - Hazardous Waste Collection Area (HWCA) is a 40-foot square gravel area enclosed by a fence. Since 1954, waste oils, solvents, paints, and thinners from various shops were collected and stored in drums at this location. Site 4 - POL Spill Area was the location of a 5,000- to 5,300-gallon jet fuel spill in 1968. The fuel was flushed from the immediate area and into the surface drainage system with approximately 200,000 gallons of water.

Phase I of the SI program included drilling and sampling soil borings, installing and sampling monitoring wells and piezometers, sediment sampling, soil gas testing, static water level

measuring, and aquifer testing. Phase II of the SI included additional drilling and sampling of soil borings, sampling of existing monitoring wells and piezometers, static water level measuring, and sediment sampling. U.S. Environmental Protection Agency (EPA) protocols established for sampling, chain of custody, and quality assurance/quality control (QA/QC) were followed during the SI program. Results from the 1991 SI activities confirmed the overall results of the 1990 program and provided additional information concerning the extent of contamination at the sites.

In evaluating the significance of contamination detected at Site 1, it should be noted that the former FTA surface where the actual burning occurred is located approximately 10 to 12 feet below current ground surface under a layer of clay-rich fill. Contaminants related to fire training activities conducted at this site are believed to be at the former surface or below the former surface.

Contaminants were detected in the fill layer, but are not considered to be related to fire training activities that occurred at the site. The significance of the presence of these contaminants was evaluated through the performance of a preliminary risk evaluation.

Contamination at Site 1 resulting from fire training activities appears to be present at and below the old surface in an area immediately downslope from the former FTA, extending 60 to 80 feet west of the burn area. The western extent of contamination is estimated to be less than 85 feet from the burn area. Contaminants were not detected in subsurface soils at depths greater than 5 feet below the former FTA surface. The contamination consists of benzene, toluene, ethylbenzene and xylenes (BTEX) compounds that are major components of aviation fuel, and semivolatile organic compounds (SVOCs) that includes a list of several polynuclear aromatic hydrocarbons (PAHs). PAHs are products of combustion and typically are found in burn areas.

No contaminants were detected in the groundwater at Site 1. This is consistent with the soil sampling results, which indicate that contaminants have not migrated beyond 5 feet below the former FTA surface. The thick clay layer that exists throughout the subsurface at the site appears to confine vertical migration of contaminants within close proximity of the former FTA surface.

The risk evaluation conducted for exposure to contaminants at the site showed that carcinogenic and noncarcinogenic risks to public health are within the acceptable range for current and future use scenarios. Based on the evaluation of analytical results, site geology, and risks to human health and the environment, it appears that the overall significance of the observed nature and extent of contamination is minimal.

At Site 3 - HWCA, the contamination in soils consists primarily of oil and grease. Contamination at this site is within the fence that encloses the drum storage area. The contamination is predominantly in the top 4 feet of soils, which also coincides with the thickness of a sand and gravel layer in place within the fenced area. The results of the groundwater analyses show that the underlying aquifer has not been impacted. This is consistent with the conclusion that contamination (consisting of mostly oils and grease) is predominantly in the top 4 feet of soils and has not migrated toward the groundwater table.

The results of the preliminary risk evaluation conducted for Site 3 show that current carcinogenic and noncarcinogenic risks to Base personnel and future risks to onsite construction workers are within the acceptable range.

At Site 4 - POL Spill Area, the analytical results of soil, groundwater, and sediment samples collected show that there is minimal residual contamination at the site resulting from the spill that occurred in 1968. Groundwater at the site has not been impacted; in addition, potential for contaminants to migrate to groundwater is minimal because of the dense clay layer that comprises the subsurface geology.

Other factors that reduce the significance of the low contamination detected at Site 4 include limited access to the site; absence of threatened or endangered species or critical habitats; and no residences, groundwater wells, or surface water resources within 1/4 mile of the site. In addition, the former underground storage tank (UST) system was replaced with an aboveground system built in accordance with regulatory requirements.

A preliminary qualitative evaluation of impacts to the ecology shows that no threatened or endangered species are on Base, and no critical habitats that could be impacted by the contaminants observed at the sites. Therefore, no further data collection or remedial actions are required for these three sites under the IRP. It is recommended, however, that appropriate operating procedures for Site 3 are instituted and followed to minimize the potential for future spills to impact the site. A concrete pad with a surrounding berm or other containment procedure should be considered.

1. INTRODUCTION

This report documents the Site Inspection (SI) activities that Science Applications International Corporation (SAIC) conducted at the 122nd Tactical Fighter Wing, Indiana Air National Guard Base (ANGB), Fort Wayne, Indiana (hereinafter referred to as Indiana ANGB or the Base). The SI was performed under the U.S. Department of Defense (DOD) Installation Restoration Program (IRP). As part of the IRP, the Air Force has entered into an interagency agreement with the U.S. Department of Energy (DOE) under which DOE provides technical assistance in implementing the IRP. Martin Marietta Energy Systems, Inc. (Energy Systems), under contract with DOE, is responsible for managing this effort under the interagency agreement through its Hazardous Waste Remedial Actions Program (HAZWRAP) Division. SAIC provides support for this investigation through an existing general order agreement with HAZWRAP.

1.1 INSTALLATION RESTORATION PROGRAM OBJECTIVES AND SEQUENCE

The objectives of the IRP are to identify, quantify, and evaluate feasible remedies for environmental problems caused by hazardous materials used or disposed of at DOD installations. The five phases that constitute the IRP process and the purpose and activities associated with each phase are presented below:

- Preliminary Assessment A Preliminary Assessment (PA) is performed to identify and evaluate the type and location of suspected problems associated with past hazardous waste handling procedures, disposal sites, and spill sites. This is accomplished through interviews with past and present Base employees, historical records searches, and visual site inspections. In addition, detailed geologic, hydrologic, meteorologic, land use, and environmental data for the study area are gathered. A detailed analysis of all information obtained identifies sites of concern. The PA for Indiana ANGB was completed by the Hazardous Materials Technical Center (HMTC) in April 1988.
- Site Inspection The purpose of an SI is to acquire the necessary data to either confirm the presence or absence of suspected environmental contamination at each identified site of concern and to assess the potential risks to human health, welfare, and the environment. The SI includes identification of specific chemical contaminants and their concentrations in environmental media and evaluates the potential for contaminant migration through site-specific hydrogeologic determinations. SAIC performed Phase I of the SI for Indiana ANGB in 1990 and Phase II in 1991.

- Remedial Investigation A Remedial Investigation (RI) is conducted to acquire the
 necessary data to define the extent of confirmed environmental contamination and to
 assess further the associated potential risks to human health, welfare, and the
 environment. The RI quantifies the magnitude and extent of contamination at the
 sites under investigation and identifies the specific chemical contaminants present and
 their concentrations in environmental media. A determination also is made as to the
 potential for contaminant migration by assessing site-specific hydrogeologic and
 contaminant characteristics.
- Feasibility Study The objective of a Feasibility Study (FS) is to develop the remedial action alternative that mitigates confirmed environmental contamination at each site and meets the applicable or relevant and appropriate requirements (ARARs). The FS considers risk assessments and cost benefit analyses in providing the necessary data, direction, and documented supportive rationale to acquire regulatory concurrence (Federal, state, and local) with the recommended remedial alternative. The FS evaluates, develops, and provides recommendations for remedial actions at each site where remediation is required.
- Remedial Design The Remedial Design (RD) phase provides engineering design drawings and construction specifications required to implement the recommended remedial action selected through the FS process. Implementation of the remediation plan requires appropriate regulatory acceptance.

1.2 PROJECT BACKGROUND AND PURPOSE

As part of the IRP, HMTC completed a PA of Indiana ANGB for the Air National Guard Readiness Center (ANGRC) in April 1988. The PA identified and evaluated the type and location of potential problem areas through interviews with past and present Base employees, historical records searches, and visual site inspections. In addition, environmental and land use data were collected for the area of study and reported in the PA. The PA indicated that the potential for contamination of surface water, soils, and groundwater existed at the following four sites and recommended further investigation:

- Site 1 Former Fire Training Area
- Site 2 Old Motor Pool Area
- Site 3 Hazardous Waste Collection Area
- Site 4 POL Spill Area.

The ANGRC specifically requested the support of DOE in assessing the extent of possible contamination at Site 1 - Former Fire Training Area, Site 3 - Hazardous Waste Collection Area,

and Site 4 - POL Spill Area. The lead agency for investigation of Site 2 - Old Motor Pool Area is the U.S. Army Corps of Engineers (USACOE). Site 2 was not investigated under the IRP as part of this SI because DOD may be a potentially responsible party (PRP). Therefore, Site 2 was investigated under a project managed by the USACOE following the guidelines of state and Federal regulatory agencies. As a result of this investigation, the USACOE has taken corrective measures to remove an abandoned UST at Site 2 and address potential petroleum contamination at the site. In addition, ANGRC has begun activities to investigate a potential PCB spill area and assess the potential presence of other USTs at the site.

Following the PA, the first phase of the SI was planned to collect data that would confirm the presence or absence of suspected environmental contamination at the three sites (i.e., Sites 1, 3, and 4). Phase I activities began August 13, 1990 and ended September 10, 1990. During Phase I, soil contamination was detected at the three sites. However, it was determined that additional investigations were needed to fill in data gaps. Phase II was planned to collect additional data to:

- Confirm the presence of contaminants detected during Phase I
- Delineate the extent of contamination found
- Evaluate the risk posed by any confirmed contamination to human health and the environment.

Phase II activities began October 28, 1991 and ended November 7, 1991. This report summarizes the results from both phases of field activities. The evaluation of the significance of field and analytical results has been consolidated using the results obtained during Phases I and II of the SI.

1.3 REPORT ORGANIZATION

This SI Report contains the following sections:

• Section 1. Introduction — The remainder of this section summarizes the history of Indiana ANGB, the specifics of each individual site, and the previous studies conducted at Indiana ANGB.

- Section 2. Field Program The activities, methods, and procedures used to
 determine the hydrogeologic conditions, contaminant characteristics, and extent of
 contamination at the sites under investigation at Indiana ANGB are described in this
 section. Background sampling and the disposal of wastes generated during the SI
 field program also are addressed.
- Section 3. Results and Significance of Findings This section provides the geologic, hydrogeologic, and analytical results obtained from both phases of the SI program along with the significance of these results.
- Section 4. Preliminary Risk Evaluation In this section, the results of the sampling and analysis are evaluated, a conceptual model for each site is prepared, and potential receptors are identified. In addition, the sampling results are compared to ARARs and potential risks to human health are quantified.
- Section 5. Conclusions and Recommendations This section summarizes the results, conclusions based on the SI results, and recommendations for any future IRP activities at each site.

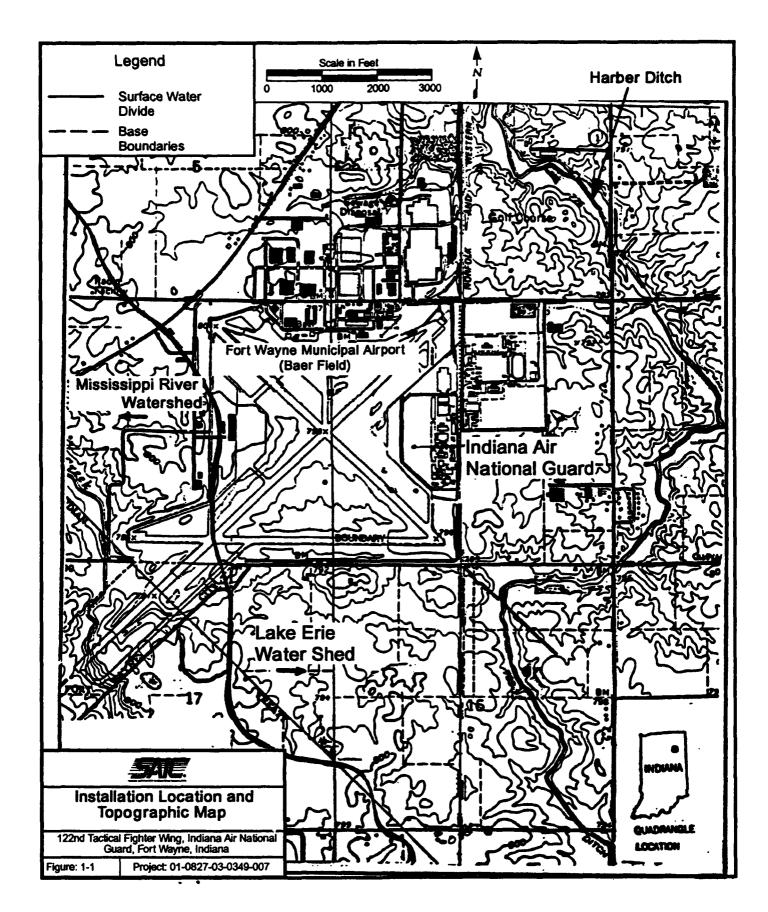
A reference list and a list of acronyms and abbreviations are included in this report. In addition, appendices are provided, which include a summary of analytical results, aquifer test methods and results, monitoring well and soil boring completion logs, survey data, chemical results, a complete quality assurance/quality control (QA/QC) evaluation, risk evaluation methods, and a summary of the site characterization data for Phases I and II.

1.4 FACILITY BACKGROUND

The history of the Indiana ANGB and the sites that were investigated as part of this SI are described in the following sections.

1.4.1 Facility History

The 122nd Tactical Fighter Wing, Indiana Air National Guard, is located in Allen County, Indiana on the southwest side of the city of Fort Wayne. As shown in Figure 1-1, Fort Wayne Municipal Airport (formerly Baer Field) is located immediately west of the Base. South and east of the Base, the land is mostly agricultural, and commercial property lies to the north. The Base currently occupies approximately 90 acres of land with plans to expand to 160 acres.



The 122nd Tactical Fighter Wing was established at Fort Wayne in 1954. Past Base operations that generated potentially hazardous materials include aircraft maintenance, weapons maintenance, liquid fuels management, fire fighting training, and vehicle maintenance. Waste oils, fuels, cleaners, solvents, and strippers were generated by these Base activities.

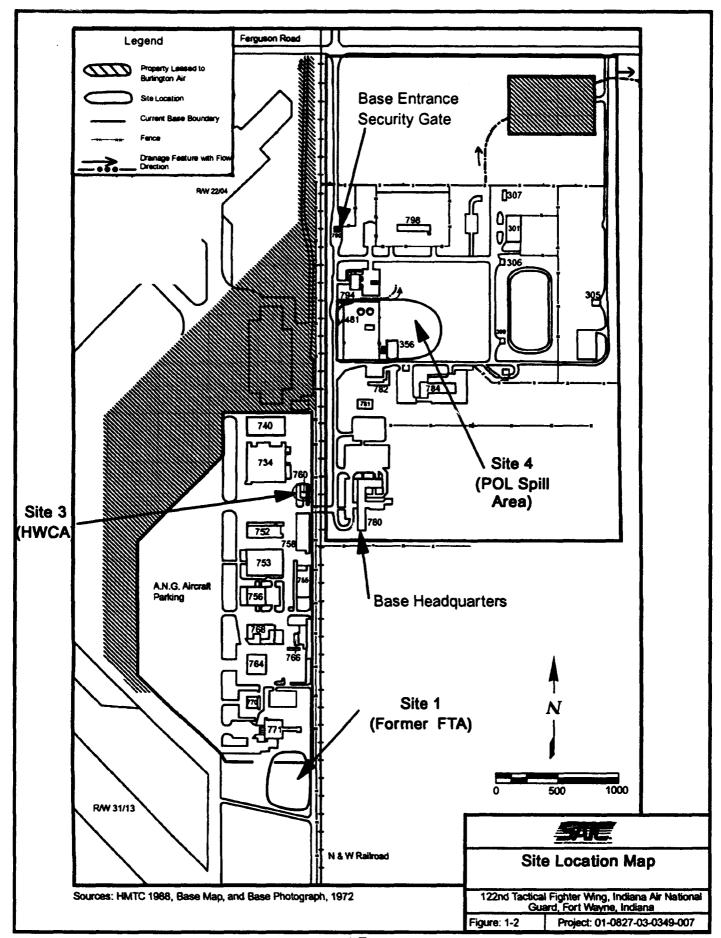
1.4.2 Site Descriptions

This section briefly describes the three sites under investigation (i.e., Site 1 -Former Fire Training Area, Site 3 - Hazardous Waste Collection Area, and Site 4 - POL Spill Area).

Site 1 - Former Fire Training Area — The Former Fire Training Area (FTA) is located in the extreme southern portion of the Base, south of Building 771 (the Hush House), as shown in Figure 1-2. The location of the former FTA was determined from field observations, interviews with Base personnel (including the former Base Fire Chief), and aerial photographs. The source of contamination at the former FTA is a burn area approximately 15 by 90 feet. The burn area was designed to contain fuel and waste oils used during fire fighting exercises with the construction of a berm on the western (downslope) side of the burn area. The berm was approximately 2 feet wide at its base, 1 foot high and rounded at the top, and extended the entire length of the burn area. The burn area was unlined. Prior to the commencement of each fire fighting exercise, the burn area was soaked with water. The water-soaked ground helped to reduce the extent of fuel migration into the ground.

The former FTA was used from 1963 to 1972 approximately 10 times a year. During each fire training exercise, approximately 50 to 60 gallons of fuel were used for a total of 500 to 600 gallons per year. Most of the fuel used was JP-4; a minimal amount of motor oil and aviation gasoline also was used.

After each fire training session, the burning fuel was extinguished by teams of personnel using a spray of water and foaming agent, which was directed to the northwest or southwest. Occasionally, this stream washed some of the fuel over the berm and downslope from the burn area.



After 1972, the ANGRC began dumping fill material (primarily native clay soils and some construction debris) over and around the former FTA. The area was continually filled and graded, eventually burying the former FTA under approximately 10 to 12 feet of fill.

Site 3 - Hazardous Waste Collection Area — The Hazardous Waste Collection Area (HWCA), located behind Building 760, is a 50-foot square gravel area enclosed by a wooden fence. The site location is provided in Figure 1-2. The HWCA currently is used as a temporary storage area. Since 1954, waste oils, solvents, paints, and thinners from various shops have been collected and stored in drums at this location. Initially, the area was grassy; it was later graveled and fenced. Drums of waste oil, hydraulic oil, PD-680 solvent, paints, and thinners are stored on pallets on the gravel. A site visit during the Phase I SI kick-off meeting revealed that funnels were in the top of each drum, the gravel was stained, and there was a noticeable odor of oils and solvents. Prior to the start of Phase II, Base personnel moved most of the drums from the area to a central staging area at the Base. The drums were removed from the staging area by the Defense Reclamation and Maintenance Organization for appropriate disposal at an off-Base location.

Site 4 - POL Spill Area - The POL Spill Area is located in the northern portion of the Base, east of Building 356 as shown in Figure 1-2. In 1968, a malfunction in the POL system at Building 352 and the nearby pump house resulted in a spill of 5,000 to 5,300 gallons of JP-4 fuel. The spill flowed from the POL facility and ran eastward into the woods and into an open storm drainage ditch. Approximately 200,000 gallons of water were used to flush the JP-4 from the immediate POL area. According to the Preliminary Assessment Report (HMTC 1988), the water and fuel washed eastward into the surface drainage system and eventually into Harber Ditch, which is approximately 3,000 feet east of the Base. Although surface drainage at Site 4 is generally toward Harber Ditch, it is unknown what quantity of the spill actually migrated to any one drainage feature. ANGB personnel noted no vegetative damage in the woods after the spill (HMTC 1988).

1.5 REGIONAL SETTING

The following sections describe the regional environmental setting of the Indiana ANGB, including regional land use, geology, hydrogeology, climate, and surface drainage.

1.5.1 Regional Land Use

Regional land use, prior to the construction of the Base, was primarily agricultural. Residue from agricultural use of fertilizers and pesticides may persist in the form of elevated levels of certain contaminants. These contaminants may include arsenic (from arsenic-based pesticides).

Land is used for a municipal airport adjacent to the Base to the west. This includes the airport terminal, aircraft maintenance warehouses, and light industrial land uses. Other land use adjacent to the Base is primarily agricultural.

1.5.2 Geology

Fort Wayne, Indiana is located within the Central Lowland physiographic province of the Great Plains. The Central Lowlands are characterized by level to gently undulating uplands that are dissected by steep drainageways. The topography of the Base is nearly level, at elevations ranging from 785 feet above mean sea level (MSL) in the eastern portion of the Base to approximately 700 feet above MSL in the southern portion (HMTC 1988).

The uplands in the vicinity of the Base are part of the Tipton Till Plain, formed of unconsolidated glacial till that was deposited during the Pleistocene epoch. From the surface to approximately 20 feet below ground surface (BGS), the New Holland Till Member of the Lagro Formation is present, which is composed predominantly of silt and clay. Underlying the Lagro Formation from approximately 20 to 70 feet BGS is older Pleistocene till known as the Trafalgar Formation. The Trafalgar Formation is an unconsolidated clay-rich till containing scattered thin beds of sand, silt, and gravel (Bleuer and Moore 1978). Immediately underlying the Trafalgar Formation are the Traverse and Detroit River Formations, which are Devonian in age and consist of up to 145 feet of limestones and dolomites. The top of the bedrock below

the Base is reported to be at 720 feet above MSL, or approximately 70 feet BGS (Bleuer and Moore 1978).

Soil borings drilled at the Base show that soil in the upper 60 feet consists primarily of stiff clay, with occasional thin lenses of silt, sand, and gravel. A brown clay typically was encountered lying stratigraphically over a thicker gray clay.

1.5.3 Regional and Local Hydrogeology

Groundwater in Allen County is derived from two aquifer types: glacial drift and carbonate bedrock. The glacial aquifers consist of silt, sand, and gravel lenses within unconsolidated clay. The carbonate bedrock aquifers occur where sufficient cracks and voids are present in the bedrock to hold and conduct water (Bleuer and Moore 1978). The glacial aquifers are unconfined water-table aquifers. The majority of the bedrock aquifer is interconnected by overlying sand and gravel units; however, it may be locally confined in some areas (Bleuer and Moore 1978).

Groundwater production wells tap both aquifer types within the county. Because the bedrock surface is shallower and the thin cover of the overlying glacial deposits generally contain a very small percentage of sand and gravel in the vicinity of the Base, nearly all of the production wells are completed in the carbonate bedrock aquifer (Bleuer and Moore, 1978). In a 1-mile radius of the Base, there are a few private production wells that tap into the bedrock and glacial aquifers. The nearest well is located 1,300 feet south of the Base (HTMC April 1988).

The general groundwater flow within the aquifers of Allen County converges on the valleys of the Little River, St. Marys River, St. Joseph River, and Maumee River. This regional flow pattern indicates that groundwater flow beneath the Base moves in an east to northeast direction toward the St. Marys River (HMTC 1988).

1.5.4 Climate and Surface Drainage

The climate of Allen County is mid-continental, characterized by wide variations in temperature from winter to summer and a fairly uniform distribution of precipitation throughout the year. Mean yearly temperature is approximately 50°F; average minimum temperature in the winter is 22°F and average maximum temperature in the summer is 81°F. Precipitation averages 35.3 inches per year (NOAA 1986) and the net precipitation is +3.3 inches per year (HMTC 1988).

According to the Federal Emergency Management Agency (FEMA), the Base is not within a 100-year floodplain. The surface water divide between the Lake Erie watershed and the Mississippi River watershed passes through Allen County just west of the Base (approximate location shown in Figure 1-1). Water from most of Allen County drains into the Maumee River, which is part of the Lake Erie watershed. The far western one-fourth of the county is drained by the Little River and the Eel River, both of which are part of the Mississippi River watershed. Water to supply the city of Fort Wayne is obtained from the St. Joseph River.

The Base is located within the Lake Erie watershed. Surface runoff from the Base flows through a drainageway (shown in Figure 1-2 originating at the northeast portion of the Base) into Harber Ditch, which is approximately 2,000 to 5,000 feet east of the Base. From Harber Ditch, surface water flows north through the city of Fort Wayne and into the St. Marys River. Other surface features include a swampy area located approximately 1,500 feet east of the Base, and a public golf course located adjacent to the northern boundary of the Base. A 1986 aerial photograph shows that the closest residences to the Base are located approximately 1,400 feet south of the Base's southern boundary. Discussions with Base personnel and Allen County officials have established that the closest residence is still located 1,400 feet from the Base boundary.

THIS PAGE INTENTIONALLY LEFT BLANK

2. FIELD PROGRAM

The field activities conducted during the Site Inspection (SI) at the Indiana Air National Guard Base (ANGB) are described in this section. These activities were conducted in accordance with the project work plans (SAIC 1990a, 1991). The procedures used in the field are described in detail in the Field Sampling Plan (SAIC 1990b) and are summarized below.

2.1 FIELD PROGRAM SUMMARY AND RATIONALE

The SI field activities were conducted in two phases: Phase I in August and September 1990 and Phase II in October and November 1991. The Phase II field investigation was a continuation of the Phase I study and was conducted to fill the data gaps discovered during the initial study. Data collected during Phase I were used to plan and develop the technical approach for Phase II activities.

Nine piezometers were installed throughout the Base. The piezometers were positioned on Base property at locations best suited for determining the groundwater elevations and flow direction, but were not placed in areas suspected of being contaminated. Water level elevation data measured from the piezometers were plotted as groundwater contours and provided an initial evaluation of the gradient and flow direction for subsequent placement of monitoring wells. All soil borings, monitoring wells, and piezometers were surveyed using the Indiana State Plane Coordinate system. Table 2-1 summarizes the Phase I and Phase II field activities. The specific field activities conducted at each site are summarized in Sections 2.1.1 through 2.1.4.

2.1.1 Site 1 - Former Fire Training Area (FTA)

The site history and the present topography and subsurface conditions at Site 1 - Former FTA indicate that the former FTA surface is located approximately 10 to 12 feet below current ground surface, and any contamination related to fire training activities conducted at this site would be expected to be found at the former surface or below the former surface. However, the focus of the SI was not only to determine the presence of site-related contamination at the former FTA surface and below, but also at the current ground surface. This was because the

122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana Table 2-1. Summary of Site Inspection Program Activities

	Site 1 Former 1 Training	Site 1 Former Fire raining Area	Site Hazardor Collecti	Site 3 Hazardous Waste Collection Area	Site 4 POL Spill	Site 4 POL Spill Area	Background	round	Total
	Phase I	Phase II	Phase I	Phase II	Phase I	Phase II	Phase I	Phase II	
Soil and Water Organic Vapor Sample Points	0	0	0	0	30	0	0	0	30
Soil Borings	4	9	4	2	5	3	1	2	27
Total Soil Samples per Site*	12	28	9	5	10	8	0	9	75
Monitoring Wells	2	0	1	0	2	0	0	0	8
Piezometers	5	0	7	0	2	0	0	0	6
Groundwater Samples from Monitoring Wells and Piezometers	3	ε	1	1	2	3	0	0	13
Sediment Samples	0	0	0	0	2	2	0	0	4
Aquifer Tests	1	0	1	0	1	0		0	ю
Water Level Measurements (Monitoring Wells and Piezometers)	7	7	3	3	4	4	0	0	28

* Includes Field Duplicates.

significance of any contamination detected above the former FTA surface, although not related to fire training activities, would still need to be evaluated. Specific field activities conducted at Site 1 during Phases I and II are summarized below. The locations of soil borings, piezometers, and monitoring wells installed during activities conducted during Phases I and II are shown in Figure 2-1.

Phase I Field Activities

- The former FTA location was estimated from aerial photographs and interviews with Base personnel. This was necessary because the former FTA was covered with several feet of fill material after being closed and field inspection of the area was difficult.
- Three soil borings were drilled to the water table in the area thought to be the former FTA. Soil samples were collected from the borings at 5-foot intervals and one sample at each boring was collected at the groundwater interface. Two soil samples from each boring were selected and submitted for laboratory analyses based on field screening results for volatile organics.
- Five piezometers were originally drilled and installed in the vicinity of Site 1 to determine groundwater flow direction and help locate the placement of monitoring wells at Site 1. Piezometer 7 was abandoned at a later date.
- Two monitoring wells were installed at Site 1 and groundwater samples were collected from these wells to determine if contaminants were present in the groundwater. The wells were installed at presumed upgradient and downgradient locations.
- Because subsurface soil contamination was detected during the installation of the presumed upgradient well, an additional soil boring was drilled and sampled near this planned well location to a depth of approximately 15 feet below ground surface (BGS).
- Because contaminants were detected at the original location of the upgradient well, piezometer P-8 was sampled to determine upgradient water quality. The piezometers were constructed similar to the monitoring wells, and therefore, a representative groundwater sample could be collected. The principal objective of the piezometer, however, was to determine groundwater elevations and help locate monitoring wells.

Phase II Field Activities

Licensed surveyors delineated the location of the former FTA from aerial
photographs using control points and benchmarks that have not changed since the
FTA was active. This activity was conducted because uncertainty existed during
Phase I investigations as to whether the former FTA had been encountered. The
delineation of the former FTA boundary has been certified by the surveyor to be

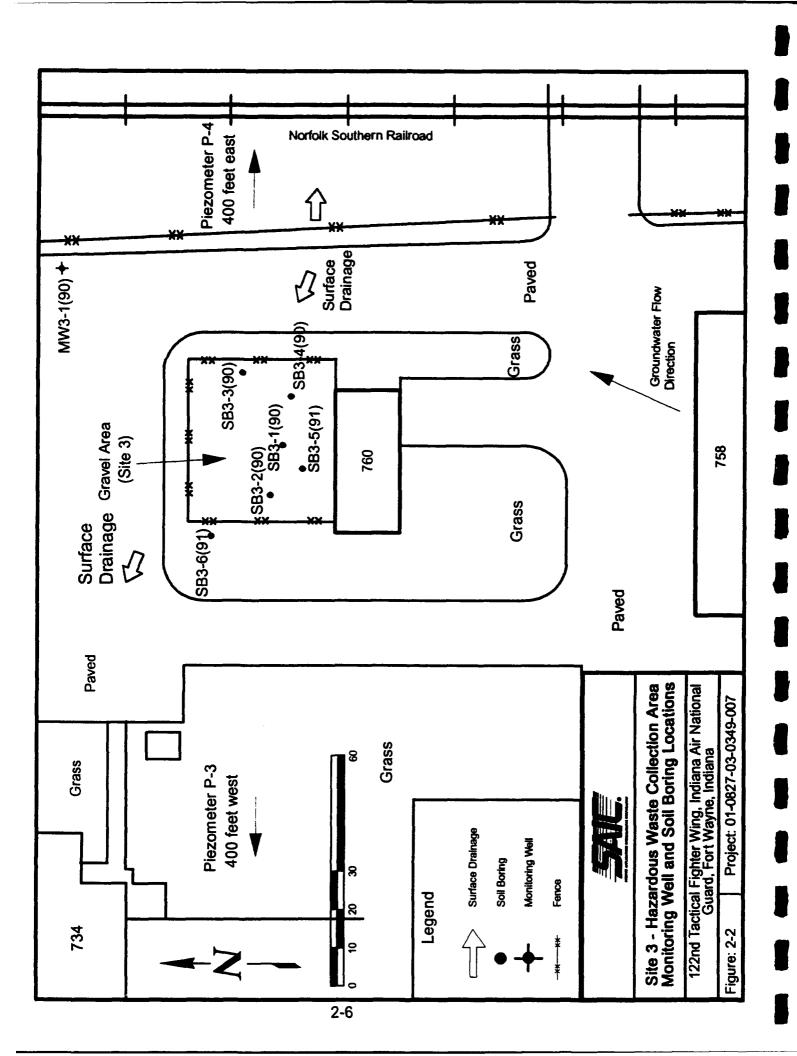
- within 6 feet. In addition, the delineated former FTA boundary was confirmed by the former Base Fire Chief.
- Six soil borings were drilled and sampled. Soil samples collected from the current land surface and from just below the fill layer were submitted for laboratory analysis. Additional samples from each borehole were selected for laboratory analysis based on field screening results.
- A second round of groundwater samples was collected from the same two monitoring
 wells and piezometer that were sampled during Phase I. This sampling was
 conducted to confirm initial results and to provide a comparison of the Phase I
 groundwater monitoring results.
- Groundwater was collected from an open soil boring that was drilled to the water table in the center of the former FTA. The groundwater was analyzed to determine if contaminants had migrated to the water table at the site. A monitoring well was not installed at this location because of an ANGRC policy concerning areas of known contamination. According to ANGRC policy, monitoring well installation is restricted where it is possible for the well structure or installation procedure to provide a contaminant migration pathway.

2.1.2 Site 3 - Hazardous Waste Collection Area (HWCA)

The specific field activities conducted at Site 3 - HWCA during Phases I and II of the SI are summarized below. The locations of soil borings and monitoring wells installed at this site are shown in Figure 2-2.

Phase I Field Activities

- Four soil borings were drilled within the fenced area at Site 3. One boring was completed at the water table (approximately 40 feet BGS). Soil samples collected from this boring at the surface (0 to 2 feet BGS), 2 to 4 feet BGS, and the groundwater interface were selected for laboratory analysis. Three borings were drilled to 2 feet BGS and one sample from each boring was collected and sent for laboratory analyses. The deep boring was drilled to provide information on the vertical extent of contamination and the shallow borings (0 to 2 feet BGS) were drilled to provide information on the presence of contamination in the surface soils.
- Two piezometers (P-3 and P-4, 400 feet west and 400 feet east of the site, respectively) were installed in the vicinity of Site 3 to assist in determining groundwater flow direction and help place the monitoring wells at the site.
- One monitoring well was installed downgradient from the site and sampled to determine if contaminants were present in the groundwater.



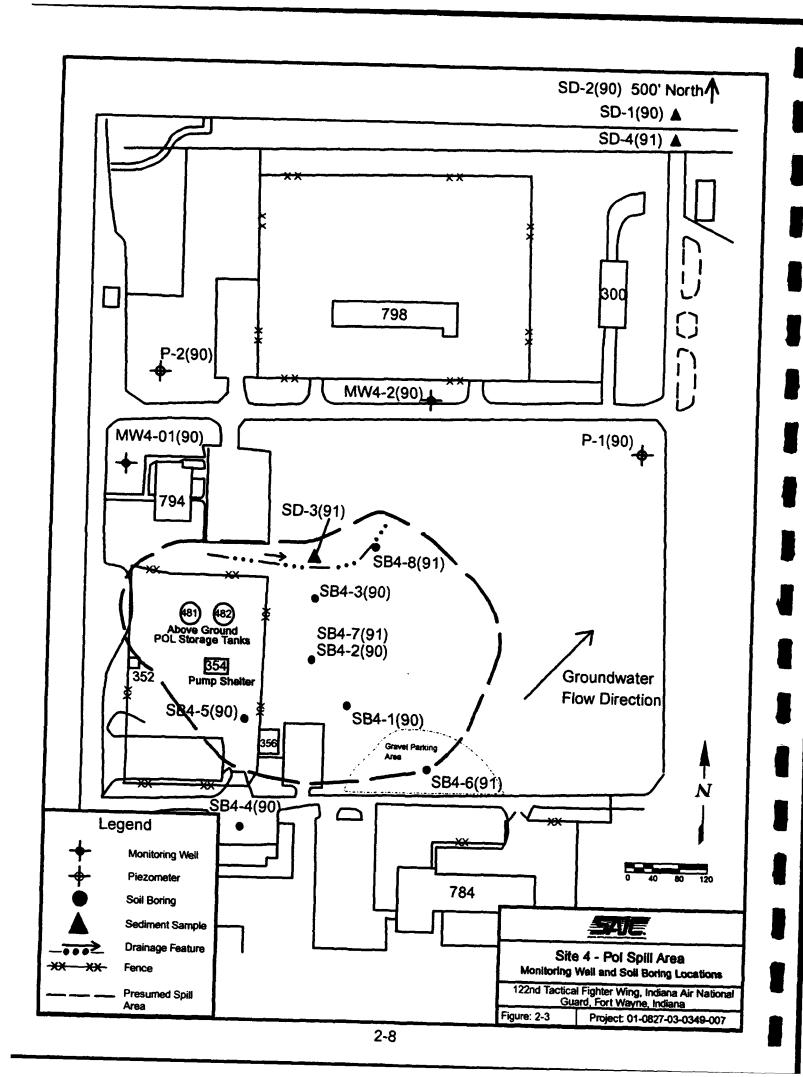
Phase II Field Activities

- One soil boring was drilled within the fenced area and sampled at 5-foot intervals to the groundwater interface. The sample collected at the surface (0 to 2 feet BGS) was forwarded to the laboratory for analyses. Two other samples collected at different depths were submitted for laboratory analyses based on field screening results. The deep boring was drilled to confirm the vertical extent of contamination that had been observed during Phase I activities. In addition, a second boring was drilled approximately 5 feet outside the fenced area to determine if the contaminants had migrated offsite. Two samples, one from the surface (0 to 2 feet BGS) and one at 4 to 5.5 feet BGS, were sent for laboratory analyses.
- The downgradient monitoring well installed and sampled in 1990 was resampled in 1991 to provide comparative data.

2.1.3 Site 4 - POL Spill Area

The focus of investigations at Site 4 was principally to determine the presence of any residual contamination remaining from the 1968 spill. Because any contamination at the site resulted from a spill of an UST system, the response to the release follows the guidelines established under 40 CFR 280.63; accordingly, information on the size and nature of the release must be assembled. To determine the nature of contamination at the site, laboratory analyses were aimed at detecting the presence of any TPH, or benzene, toluene, ethylbenzene, and xylenes (BTEX) compounds. Other investigations were aimed at assembling information pertaining to the land use and environmental receptors in the vicinity of the site. Evaluation of data focused on presenting details of the site investigation work, sampling and analytical methods, and laboratory analytical results, to comply with the requirements of the Indiana Department of Environmental Management (IDEM), Office of Emergency Response (OER).

Specific field activities conducted at Site 4 - POL Spill Area during Phases I and II of the SI are summarized below. The locations of soil borings, monitoring wells, and sediment sampling points are shown in Figure 2-3.

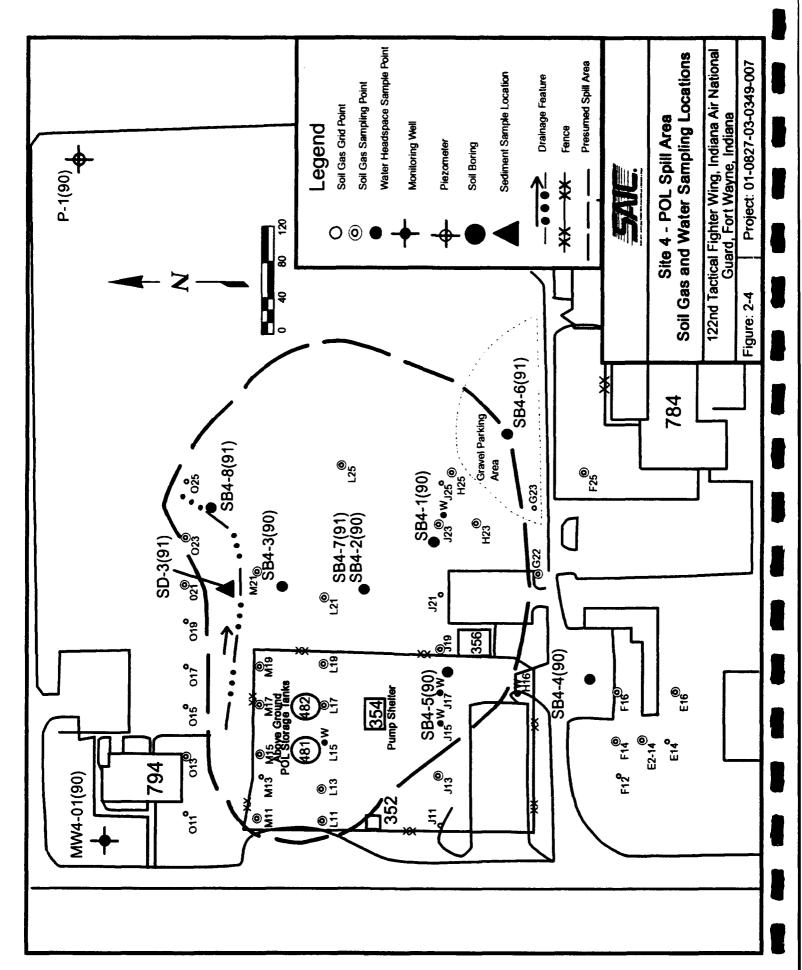


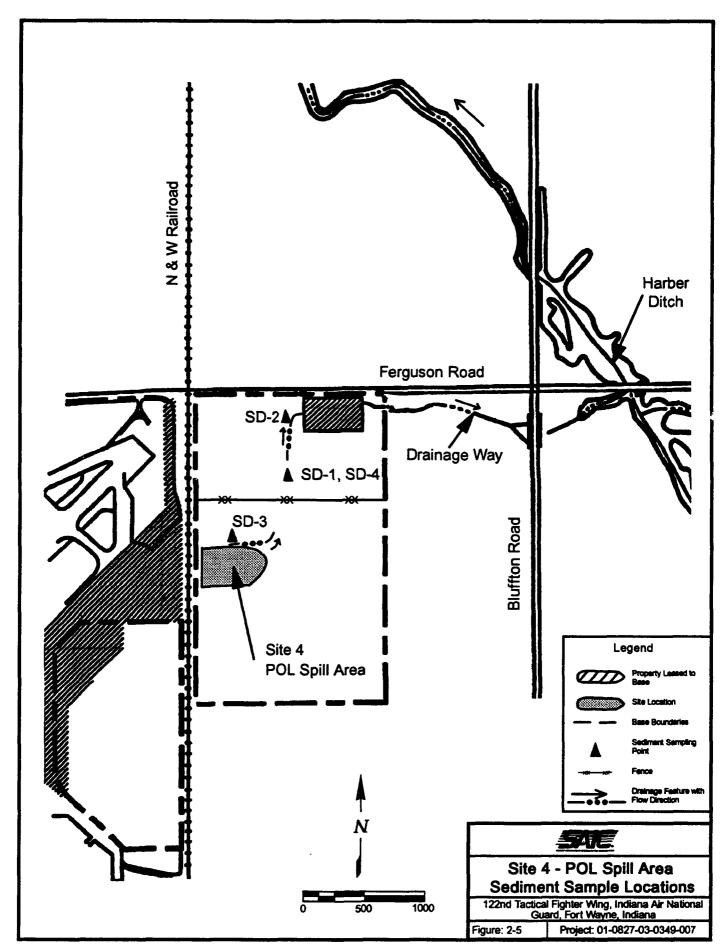
Phase I Field Activities

- A soil gas survey was first conducted at this site as a screening tool to determine soil sampling locations. Soil vapor and water samples were collected at strategic locations to provide initial information on the area of potential contamination. Figure 2-4 shows the location of the soil gas and water sampling points.
- Five shallow soil borings were drilled to 5 feet BGS to determine the presence of residual contamination from the spill that occurred in 1968. The location of these borings were based on a combination of the soil gas survey results and a knowledge of the presumed extent of the spill. Two samples were collected from each boring, one at 0 to 2 feet BGS and the other at 3 to 5 feet BGS, and forwarded to the laboratory for analyses.
- Two piezometers were drilled and installed in the vicinity of the spill area to assist in determining groundwater flow direction and help place the monitoring wells at this site.
- Two monitoring wells were installed at this site. A groundwater sample was collected from the well located immediately downgradient from the site. However, despite several attempts to collect a sample from the other well at Site 4, it was impossible because of the slow recovery of water in the well. Therefore, piezometer P-2 was sampled instead. The piezometers were constructed similar to the monitoring wells, and therefore, a representative groundwater sample could be collected. The principal objective of the piezometer, however, was to assist in the determination of groundwater elevations and help locate monitoring wells.
- Two sediment samples were collected from the drainage ditch located east and downslope from the site, where runoff from the spill might have accumulated. The sediment sampling locations are shown in Figure 2-5.

Phase II Field Activities

- Three soil borings were drilled and sampled: one at the point of highest contamination detected during Phase I to determine the vertical extent of contamination, and two near the presumed extent of the spill to delineate the spill boundaries. Samples were selected for analysis based on the field screening results.
- The two monitoring wells installed during Phase I were resampled to confirm the initial results and provide comparative data. A piezometer located downgradient from the site also was sampled to provide additional information on the contamination in groundwater.
- Two sediment samples were collected downslope from the spill. One sample was collected from the storm drainage ditch where samples were collected during Phase I. The other sediment sample was collected in a drainage pathway immediately downslope from the spill area.





2.1.4 Background Sampling

Three background borings were drilled during Phase I and Phase II activities, as explained below. These background borings were drilled to determine ambient conditions outside areas of suspected site influence. The locations of the background borings are shown in Figure 2-6.

Phase I Field Activities

• One background soil boring was drilled just east of the Base entrance Guard House, at a location considered to be isolated and not impacted by site activities. The boring was drilled to a depth of 10 feet BGS and two samples were collected, one at 0 to 2 feet BGS and the other at 3 to 5 feet BGS.

Phase II Field Activities

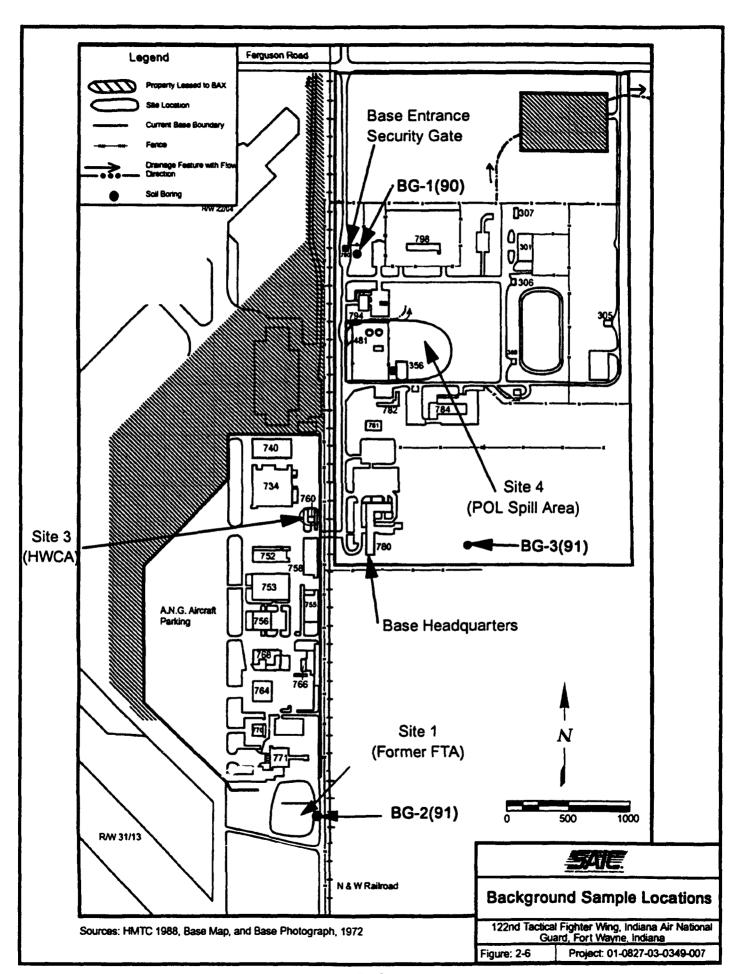
• Two background soil borings were drilled at locations considered to be representative of background conditions. One boring was located upslope from the former FTA specifically for comparison to Site 1 because of the potential for Site 1 to be impacted by airport activities. The second background boring drilled during Phase II was drilled east of the Base Headquarters (Building 780) in a field recently acquired by the Base. Samples were analyzed from the surface, at the water table, and at a depth half the distance to the water table.

2.2 GEOLOGIC AND HYDROGEOLOGIC INVESTIGATION

Geologic and hydrogeologic data for the sites at Indiana ANGB were obtained from lithology encountered during drilling of soil borings and monitoring wells, measurement of groundwater elevations, and rising head permeability tests. These activities are described below.

2.2.1 Static Groundwater Measurements

Monitoring well and piezometer water levels at the Base were measured during each phase of the SI. The water level measurements were used to determine groundwater flow direction and to help calculate groundwater flow rate. Water levels were measured with an electric water level indicator, which emits an audible tone when the water surface is contacted. The level indicator, which was decontaminated after each use following the procedures described in Section 2.8, was lowered into the well until the audible tone was heard. The measurement



was made at a surveyed notch on the top of the monitoring well or piezometer casing, and was recorded to the nearest 0.01 foot. Water levels were referenced to the U.S. Geodetic Survey (USGS) datum (mean sea level).

2.2.2 Aquifer Testing

Rising head permeability aquifer tests were performed in three monitoring wells during Phase I to determine the hydraulic conductivity of formations surrounding the well. These single-well tests were conducted by removing a volume of water from a well using a bailer, then recording the water level in the well at timed intervals as it recovered to static conditions.

Water level measurements recorded during well recovery were made automatically by a Hermit Environmental Data Logger Model SE1000B manufactured by In-Situ, Incorporated. Parameters, including the timed interval for water level measurements, internal clock, test number, and initial static recorder reading, were set at the site by the field scientist. The test was stopped after the water level had recovered to at least 95 percent of the initial drawdown. The test data were downloaded directly to a field computer for review and analysis.

The data collected during the aquifer tests were analyzed using the computer program AQTESOLVTM, developed by Geraghty & Miller, Inc. (1989). AQTESOLVTM used analytical solutions developed by Bouwer and Rice (1976) for unconfined, partially penetrating wells to provide values for hydraulic conductivity and best-fit, time-drawdown curves. Darcy flow velocities were calculated using the calculated hydraulic conductivity and hydraulic gradient.

2.3 SOIL GAS SURVEY

A soil gas survey was performed at Site 4 - POL Spill Area during Phase I of the SI. The survey, conducted by Tracer Research Corporation (TRC), was designed to determine the presence of volatile organic contaminants in the soils or groundwater at the site. A grid was established over the site and steel probes were inserted into the soil at specific grid locations to extract a sample for analysis with an onsite gas chromatograph (GC). This process was repeated at various nodes of the grid to determine the potential areal extent of volatile organic contamination. Procedures used to perform the soil gas survey are described in Appendix A.

2.4 DRILLING SUMMARY AND PROCEDURES

Soil borings were drilled at the Base during both phases of the SI to collect soil samples for laboratory analysis primarily to confirm the presence or absence of soil contamination. These data also were used to identify the chemical nature, and to define the magnitude and extent of both vertical and horizontal contamination. In addition, soil borings were used to provide descriptions of the soil column at each boring location. Twenty-seven soil borings were drilled at Indiana ANGB during the SI (14 borings drilled during Phase I and 13 drilled in Phase II). Three of the borings were located in areas considered to represent background conditions. The procedures for installing the soil borings are described below.

All boreholes were drilled using 6 ¼-inch outside diameter (O.D.) hollow-stem augers. The stem opening was 4.5 inches, which allowed soil sampling using a 3-inch inside diameter (I.D.) stainless steel split spoon sampler. All soil samples forwarded to the laboratory for analyses were collected using brass (for organic, petroleum hydrocarbons, and oil and grease analyses), and stainless steel (for priority pollutant metals analyses) liners. After the split spoon was retrieved from the borehole, these liners were capped and labeled. The augers were advanced to the sampling depth with the auger plugged. When the desired depth was reached, the plug was removed and the soil sample was collected by driving the split spoon sampler with a 140-pound drive hammer into the undisturbed material below the lead auger. Blows of the hammer for each 6 inches of sampler advancement were recorded. Once the sampler was driven to the desired depth, it was removed from the hole and the material in the sampler was transferred to the appropriate sampling containers following the procedures detailed in Section 6 of the Field Sampling Plan (SAIC 1990b). Abandonment of each soil boring was completed following the procedures detailed in Appendix A of the Field Sampling Plan. Borehole logs are provided in Appendix B of this report.

2.5 MONITORING WELL AND PIEZOMETER INSTALLATION

Five monitoring wells and nine piezometers were installed during Phase I of the SI to determine if contaminants were present in the groundwater and to determine aquifer characteristics. Monitoring wells and piezometers were installed by drilling a borehole as described above and then installing a monitoring well or piezometer following the procedures

described in Appendix A of the Field Sampling Plan (SAIC 1990b). Monitoring well boreholes were drilled to a depth approximately 15 feet below the water table to allow for proper screen placement in accordance with the procedures detailed in the Field Sampling Plan (SAIC 1990b). The water table was located by measuring the water level inside the hollow-stem auger following the first sign of wet drill cuttings or soil samples. A typical well construction diagram for wells installed at the Base is presented in Figure 2-7. At the Indiana ANGB, the monitoring wells and piezometers were constructed in a similar manner. However, piezometers were installed first to estimate the groundwater flow direction and determine the appropriate location of the monitoring wells. Well construction diagrams providing details on each well and piezometer are presented in Appendix B. Monitoring well and piezometer locations at Sites 1, 3, and 4 are presented in Figures 2-1, 2-2, 2-3, and 2-4, respectively.

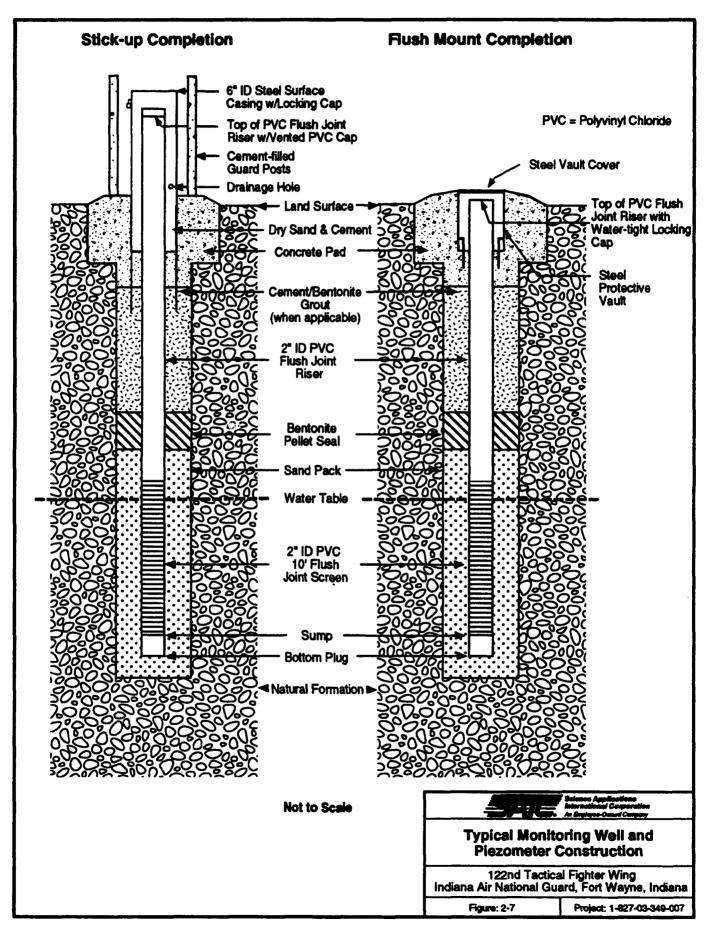
2.6 SURVEYING

Sampling locations, including boreholes, wells, piezometers, and sediment sample areas, were surveyed during each phase of the SI. Surveys were subcontracted to local surveyors licensed in the State of Indiana. After the wells, piezometers, and soil borings were completed at each site, they were surveyed for horizontal location and elevation. The surveys were completed to a vertical accuracy of 0.01 feet and a horizontal accuracy of 1 foot. All surveys were referenced to USGS elevation datum and the Indiana State Coordinate System. The horizontal coordinates and elevation data of the soil borings and monitoring wells installed at Indiana ANGB are summarized in Appendix C.

During Phase II, surveyors also determined the location of the former FTA from aerial photographs taken in 1963 and 1972. Using control points (such as buildings and railroad tracks) that have been undisturbed and unchanged throughout the period from 1963 to the present, surveyors were able to locate the former FTA within 6 feet.

2.7 FID SCREENING

During Phase I drilling of the soil borings, samples were collected at 5-foot intervals and screened with a portable flame ionization detector (FID). The screening was conducted to provide field data on the levels of volatile organic compound (VOC) contamination and select



soil samples for laboratory analysis. During Phase II, samples were collected using the following field screening strategy: Samples were collected from each borehole from the surface (0 to 2 feet BGS) and to total depth at 5-foot intervals. All surface samples were submitted for laboratory analysis. All samples were screened using the FID, including the surface sample. The boring was considered complete when two consecutive samples (including the surface sample) contained no volatile organic vapors according to the FID. If no two consecutive samples were free of organic vapors, the borehole was completed when groundwater was encountered during drilling. In addition to the surface soil sample, the second consecutive clean sample and the sample with the highest FID reading were submitted for laboratory analysis. Where two consecutive clean samples were not encountered, the sample with the highest FID reading and the sample closest to the water table were submitted for laboratory analysis. In addition, during Phase II, the decontaminated soil sampling equipment was screened with the FID to establish an equipment and ambient air background FID reading. The results of field screening for VOCs are presented in Table 2-2.

2.8 DECONTAMINATION PROCEDURES

Before sampling activities began, between sampling intervals, and after sampling activities at a location were completed, all sampling equipment (e.g., split spoon samplers, bailers, and sediment sampling equipment) was decontaminated. During the first part of the soil boring and sampling activities, the sampling equipment was decontaminated as specified in the Field Sampling Plan (SAIC 1990b). This procedure included an initial scrubbing with Alconox[®] detergent, rinsing with potable water, rinsing with American Society for Testing and Materials (ASTM) Type II water, rinsing with pesticide-grade methanol, and finally rinsing with pesticide-grade hexane and allowing the equipment to completely air dry before use. The cold weather prevented the equipment from drying quickly and the hexane from volatilizing easily, which caused interference with the field screening for volatile organic vapors.

During the field visit by HAZWRAP representatives on October 30, 1991, the decontamination procedure was modified slightly to eliminate the hexane rinse and add two final ASTM water rinses. The equipment was then allowed to air dry before use. This procedure removed the remaining residual organic solvent vapors. Lines used to lower bailers into the

Table 2-2. Summary of Field Screening Results
During Site Inspection Activities, 122nd Tactical Fighter Wing
Indiana Air National Guard, Fort Wayne, Indiana

<u> </u>				T	
Sample No.	Date	Interval (feet)	Sample Screening Results	Background Results (ppm) ¹	Rationale for Lab Analysis
SB1-5-1	11/1/91	0 - 1.5	BG	1 - 2	Current SFC
SB1-5-2	11/1/91	10 - 11.5	100 - 200 ppm	1 - 2	Former SFC
SB1-5-3	11/1/91	13.5 - 15	150 - 250 ppm	1	Highest
SB1-5-7	11/2/91	35 - 36.5	2 ppm	1	WT
SB1-6-1	11/2/91	0 - 1.5	30 ppm	0	Current SFC
SB1-6-2	11/2/91	10 - 11.5	50 - 70 ppm	0	Former SFC
SB1-6-3	11/2/91	13.5 - 15	50 - 80 ppm	0	Highest
SB1-6-5	11/2/91	25 - 26.5	10 ppm	2 - 3	Apparent WT
SB1-6-5R	11/2/91	25 - 26.5	10 ppm	2 - 3	Duplicate
SB1-6-7	11/2/91	35 - 36.5	BG	0	2nd Clean (WT)
SB1-7-1	11/5/91	0 - 1.5	BG	0	Current SFC
SB1-7-2	11/5/91	8.5 - 10	BG	0	BG Former SFC
SB1-7-3	11/5/91	15 - 16.5	BG	0	2nd Clean
SB1-8-1	11/4/91	0 - 1.5	BG	1	Current SFC
SB1-8-2	11/4/91	6.4 - 8.5	BG	1	Former SFC
SB1-8-3	11/4/91	11.5 - 13	1 - 2 ppm	1	Highest
SB1-8-5	11/4/91	20 - 21.5	0	0 - 10 ²	2nd Clean
SB1-9-1	11/4/91	0 - 1.5	BG	0	Current SFC
SB1-9-2	11/4/91	5 - 6.5	BG	0	Former SFC
SB1-9-3	11/4/91	10 - 11.5	BG	1	2nd Clean
SB1-10-1	11/4/91	0 - 1.5	BG	0	Current SFC
SB1-10-2	11/4/91	5 - 6.5	5 - 7 ppm	0	Former SFC
SB1-10-3	11/4/91	10 - 11.5	10 - 20 ppm	0	Highest
SB1-10-4	11/5/91	15 - 16.5	BG	0	1st Clean
SB1-10-4R	11/5/91	15 - 16.5	BG	0	Duplicate
SB1-10-5	11/5/91	20 - 21.5	BG	0	2nd Clean
SB3-5-1	10/30/91	0 - 1.5	20 ppm	0	SFC

Table 2-2. Summary of Field Screening Results
During Site Inspection Activities, 122nd Tactical Fighter Wing
Indiana Air National Guard, Fort Wayne, Indiana (Continued)

Sample No.	Date	Interval (feet)	Sample Screening Results	Background Results (ppm) ⁱ	Rationale for Lab Analysis
SB3-5-6	10/31/91	24.5 - 26	500 - 700 ppm	3	Highest
SB3-5-9	10/31/91	39.5 - 40	25 ppm	0	Water Table
SB3-6-1	10/31/91	0 - 1.5	BG	0	SFC
SB3-6-2	10/31/91	4 - 5.5	BG	0	2nd Clean
SB4-6-1	10/30/91	0 - 2	BG	1	SFC
SB4-6-2	10/30/91	4.5 - 6.5	8 ppm	1	Highest
SB4-6-6	10/30/91	24 - 25.5	BG	2	2nd Clean
SB4-7-1	10/31/91	0 - 2	BG	0	SFC
SB4-7-2	10/31/91	4 - 5	BG	0	2nd Clean
SB4-8-1	11/1/91	0 - 1.5	BG	3 - 5	SFC
SB4-8-2	11/1/91	4.5 - 6	10 - 20 ppm	3 - 5	Highest
SB4-8-4	11/1/91	14.5 - 16	BG	3 - 5	2nd Clean
BG2-1	11/3/91	0 - 1.5	BG	0.5 - 1	Current SFC
BG2-2	11/3/91	3 - 4.5	BG	0.5 - 1	Former SFC
BG2-3	11/3/91	20 - 21.5	BG	0.3	Midway to WT
BG2-4	11/3/91	37 - 39	BG	0	WT
BG3-1	11/3/91	0 - 1.5	BG	0.2	SFC
BG3-2	11/3/91	15 - 16.5	BG	0.2	Midway to WT
BG3-3	11/3/91	29 - 30.5	BG	0	wt

WT - Water table SFC - Surface

Clean - No organic vapors indicated with FID

BG - FID reading on sample was equal to background FID reading

NR - Not Recorded

¹FID screening results of ambient air plus decontaminated equipment.

²Jets operating upwind, sample checked in closed space to avoid interference.

wells were replaced between wells. Water level monitoring devices and measuring tapes were scrubbed with laboratory-grade Alconox[®] detergent and rinsed with distilled water between uses. Drilling equipment (including rods, bits, and tools) were cleaned at the decontamination area with a steam cleaner, laboratory-grade Alconox[®] detergent, and a potable water rinse before, between, and after each drilling location. The decontamination area was cleaned after each use.

2.9 SAMPLING PROGRAM AND PROCEDURES

Soil, sediment, and groundwater samples were collected during the SI at Indiana ANGB. The following sections summarize the sampling program and procedures. Table 2-3 shows the site-specific analyses conducted by the laboratory. The laboratory methods used for samples from each site are presented in Table 2-4.

2.9.1 Soil Sampling

Twenty-eight soil samples collected during Phase I and 47 soil samples collected during Phase II were selected for laboratory analysis during the SI. The soil samples sent to the laboratory were analyzed for the parameters identified during the planning phase of the SI. These parameters were selected based on site history and use, previously detected contaminants, and discussions with ANGRC and Hazardous Waste Remedial Actions Program (HAZWRAP) personnel.

2.9.2 Geotechnical Sampling and Analysis

During Phase II activities, soil samples were collected and sent to a geotechnical testing laboratory to obtain analytical data on the physical characteristics of the soil above the aquifer and to confirm the field geologic descriptions. Geotechnical samples were collected from each of the three sites and one background location using split spoons and the procedures described in Section 2.4. Soil was collected close to the water table but above the aquifer material to estimate permeability and the rate of vertical migration of site-related contaminants to the water table. Grain size, textural analyses, pH, organic matter content, and moisture content were conducted on five samples from the sites. These data were important in determining how long it would take contamination to migrate through the clay layer to the underlying aquifers.

Table 2-3. Site-Specific Sample Analysis Summary for Site Inspection at 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

Site/Sample	Volatile Organic Compounds ¹	Semivolatile Organic Compounds	Petroleum Hydrocarbons	Metals ²	Lead³	BTEX*	Pesticides/ PCBs	Oil and Grease
SITE 1 - Former FTA								
PHASE I								
SB1-1, SB1-2, SB1-3		x	×		Х			
SB1-4	X	x	Х	X	x			
MW1-1, MW1-2, P-8	X	X	×	×	X			
PHASE II								
SB1-5 through SB1-10	X	х	X	X				
MW1-1, MW1-2, P-8	X	Х	X	X				
GW1-1	X	X						
SITE 3 - HWCA								
PHASE I								
SB3-1, SB3-2, SB3-3, SB3-4	X	×	×	×			X	
MW2-1	X	x	Х	×				
PHASE II				i				
SB3-5, SB3-6	×	×	X	×				x
MW2-1	×	×	×	×				×

122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana (Continued) Table 2-3. Site-Specific Sample Analysis Summary for Site Inspection at

Site/Sample	Volatile Organic Compounds ¹	Semivolatile Organic Compounds	Petroleum Hydrocarbons	Metals ²	Lead	BTEX*	Pesticides/ PCBs	Oil and Grease
SITE 4 - POL Spill Area								
PHASE I								
SB4-1, SB4-2, SB4-3, SB4-4, SB4-5	X	x	X	X				
SD1, SD2		X	X	Х				
MW4-1, MW4-2	x	X	X	X				
PHASE 2								
SB4-6, SB4-7, SB4-8			X		х	×		
SD3, SD4	x		Х		X			
MW4-1, MW4-2, P-1			X		×	X		
BACKGROUND								
PHASE I								
BG-1	x	X	Х	х			x	
BG-2	×	X	X	×				
BG-3	×	x	×	X				

'During the scoping of Phase I activities, it was decided that the earth moving activities that occurred at the former FTA after fire training operations had been terminated would have resulted in the volatilization of any remaining VOCs. Therefore, VOC analyses were not performed on soil samples collected from the former FTA during Phase I. This strategy was, however, changed for the Phase II stage.

Metals: As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Sb, Se, Ag, Tl, Zn.

Lead: The focus of investigations at Site 4 during Phase II was to comply with the Federal and State of Indiana UST regulations pertaining to spill response requirements in soil and groundwater samples.

'BTEX: Benzene, toluene, ethylbenzene, and xylenes.

Table 2-4. Summary of Analytical Methods and Parameters for Phases I and II of the Site Inspection at 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

PHASE I		
Media	Parameter	Method
Water	Petroleum Hydrocarbons	E418.1
	Volatile Organics	SW 5030/8240
	Priority Pollutant Metals (Be, Cd, Cr, Cu, Ni, Ag, Zn	SW 3005/6010
	Antimony Lead Arsenic Mercury	SW 3005/7041 SW 3020/7421 SW 7060 SW 7470
	Selenium Thallium	SW 7740 SW 3020/7841
	Semivolatile Organics	SW 3510/8270
	Pesticides/PCBs	SW 3510/8080
Soil	Petroleum Hydrocarbons	SW 3550/E418.1
	Volatile Organics	SW 5030/8240
	Priority Pollutant Metals (BE, Cd, Cr, Cu, Ni, Ag, Zr	SW 3050/6010
	Antimony Lead Arsenic Mercury Selenium Thallium	SW 3005/7041 SW 3050/7421 SW 3050/7060 SW 7471 SW 3050/7740 SW 3050/7841
	Semivolatile Organics	SW 3550/8270
	Pesticides/PCBs	SW 3530/3550/8080

Table 2-4. Summary of Analytical Methods and Parameters for Phases I and II of the Site Inspection at 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana (Continued)

PHASE II		
Media	Parameter	Method
Water	Petroleum Hydrocarbons	E418.1 ¹
	Oil and Grease	E413.2
	Volatile Organics	CLP SOW 3/90
	BTEX	SW 5030/8020
	Priority Pollutant Metals (Be, Cd, Cr, Cu, Ni, Ag, Zn)	SW 3005/6010
	Antimony Lead Arsenic Mercury Selenium Thallium	SW 3005/7041 SW 3020/7421 SW 7060 SW 7470 SW 7740 SW 3020/7841
	Semivolatile Organics	CLP SOW 3/90
Soil	Petroleum Hydrocarbons Oil and Grease	SW 3550/E418.1 ¹ SW 3550/E413.2
	Volatile Organics	CLP SOW 3/90
	BTEX	SW 5030/8020
	Priority Pollutant Metals (Be, Cd, Cr, Cu, Ni, Ag, Zn)	SW 3050/6010
	Antimony Lead Arsenic Mercury Selenium Thallium	SW 3005/7041 SW 3050/7421 SW 3050/7060 SW 7471 SW 3050/7741 SW 3050/7841
	Semivolatile Organics	CLP SOW 3/90

¹E418.1 was used for Sites 1 and 3; modified SW 8015 was used at Site 4 because of UST requirements.

2.9.3 Sediment Sampling

Four sediment samples were collected from drainage features downslope from Site 4 - POL Spill Area during the SI. The samples were collected using a stainless steel scoop and stainless steel bowl. Samples for VOC analyses were collected directly into sample containers. Samples for other analyses were first composited in the stainless steel bowl and then transferred to clean sample containers. The sediment samples were submitted to the laboratory for the analyses listed in Table 2-3.

2.9.4 Groundwater Sampling

Thirteen groundwater samples were collected during the SI to determine if contaminants were present in the groundwater. Six samples were collected during Phase I and seven samples were collected from existing monitoring wells and piezometers during Phase II. The wells were purged and sampled following the procedures detailed in the Field Sampling Plan (SAIC 1990b). The following describes the general approach to purging, sampling, and equipment decontamination procedures used during the SI.

Prior to purging and sample collection, static water level measurements were taken in each well. Depths to groundwater were used to calculate the volume of standing water in each well to determine the volume of water to be purged from each well prior to sampling.

Three to five well volumes of water were purged from each well prior to collection of samples using a bailer. Purging ensured that a representative sample of the aquifer (i.e., not stagnant water) had been collected. Prior to commencement of well purging operations, between wells, and after purging was completed, the equipment was washed with a laboratory-grade detergent and rinsed with potable water (HAZWRAP 1990).

Groundwater samples were collected within 3 hours of purging each well. Samples were retrieved with a Teflon® bailer and dispensed directly into an appropriate sample bottle containing the required preservative (if any was required) for the parameter to be tested. Sample containers were wrapped in packing material and placed in coolers containing ice to maintain

a maximum temperature of 4°C. Sample coolers were then shipped to laboratories by overnight carrier.

2.10 DISPOSAL OF WASTES FROM FIELD ACTIVITIES

The soil cuttings that were generated during the drilling of soil borings were containerized in 55-gallon drums during both phases of the SI. All drums were sealed and labeled. Soil that was not contaminated based on field screening for VOCs or laboratory analyses was disposed of onsite. Analytical results for the remaining soil waste were submitted to Chemical Waste Management of Allen County in an application for disposal of the soil waste at the Adams Center landfill. It is expected that the analytical results will be accepted by Chemical Waste Management and Allen County and that the soils can be disposed of at the Adams Center Landfill.

Wastewater was generated during well development and purging during both phases of the SI. The wastewater was containerized in a 1,000-gallon polyethylene tank. The results from groundwater analyses were submitted to the State of Indiana Department of Environmental Management for evaluation. Permission was granted by the Indiana Department of Environmental Management to dispose of the water into the Base storm drain system because the groundwater contained no significant contaminants (IDEM 1991).

THIS PAGE INTENTIONALLY LEFT BLANK

3. RESULTS AND SIGNIFICANCE OF FINDINGS

This section presents the results of the Site Inspection (SI) conducted at the three sites at the 122nd Tactical Fighter Wing, Indiana Air National Guard Base (ANGB), Fort Wayne, Indiana. A discussion of the general geologic/hydrogeologic characteristics of the Base are presented in Section 3.1. Section 3.2 summarizes the quality assurance/quality control (QA/QC) results for the SI program. Section 3.3 discusses background sampling results. Sections 3.4 through 3.6 provide site-specific information on the analytical results of samples collected and the significance of the results. Figures and tables specific to Sections 3.4 through 3.6 follow the text of the individual sections.

3.1 BASE GEOLOGY AND HYDROGEOLOGY

The following two sections describe the geology and hydrogeology at Indiana ANGB. In general, the soil and groundwater characteristics were consistent throughout the three sites studied on Base. Minor deviations from the following descriptions are presented in the site-specific discussions.

3.1.1 Base Geology

The surface soils in the region of Fort Wayne and the Indiana ANGB are composed of unconsolidated glacial sediments. The regional unconsolidated glacial sediments are predominantly of the New Holland Till Member of the Lagro Formation and Trafalgar Formation, deposited during the Pleistocene epoch. In the vicinity of the Base, these formations are composed of till deposited directly from ice with some local meltwater outwash deposits.

The broad spectrum of glacial deposit sediments as it relates to the geology of the base is subdivided into two major categories: glacial till and outwash. Glacial till is unsorted and unstratified glacial drift that typically contains a significant amount of fine-size particles. Sorted and stratified outwash deposits are dominated by sand and gravel. Associated with glacial activities are lake deposits consisting of silts and clays.

All boreholes drilled during the SI were completed within 60 feet of the ground surface and within the unconsolidated glacial drift. The top 10 to 25 feet of sediment corresponding to the Lagro Formation is clay in varying shades of brown. Below the brown clay is the Trafalgar Formation, which consists of a thicker layer of dark gray clay. Water was encountered during drilling at 35 to 45 feet below ground surface (BGS) in gravel, sand, or silt lenses. Beneath these water-bearing units, the unconsolidated clay layer continues to 60 feet and reportedly continues to the top of bedrock at approximately 70 feet BGS (Bleuer and Moore 1978).

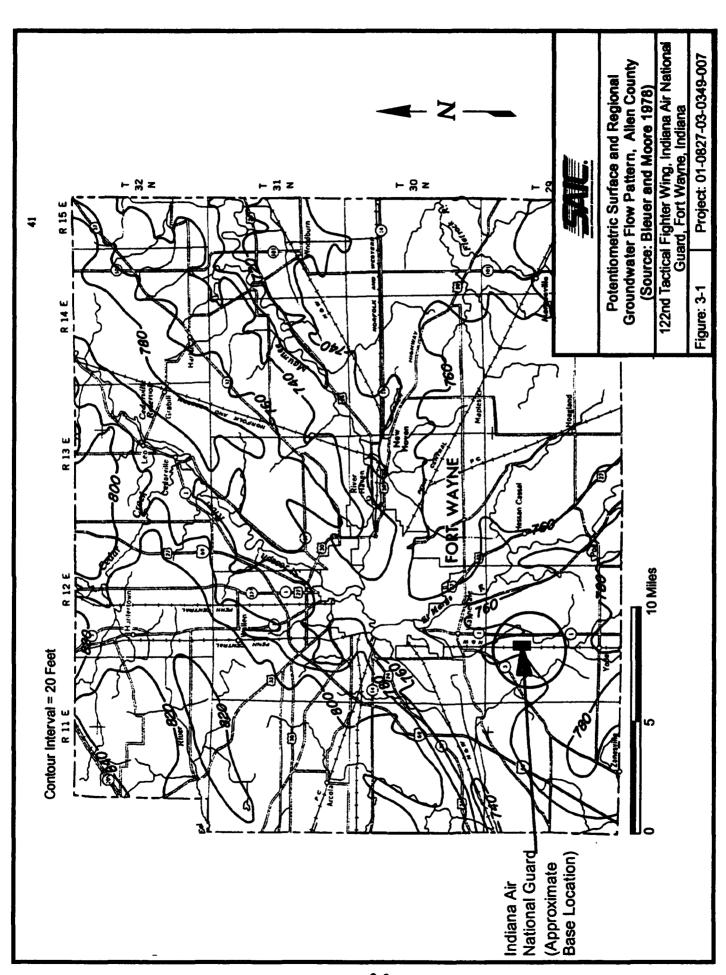
3.1.2 Base Hydrogeology

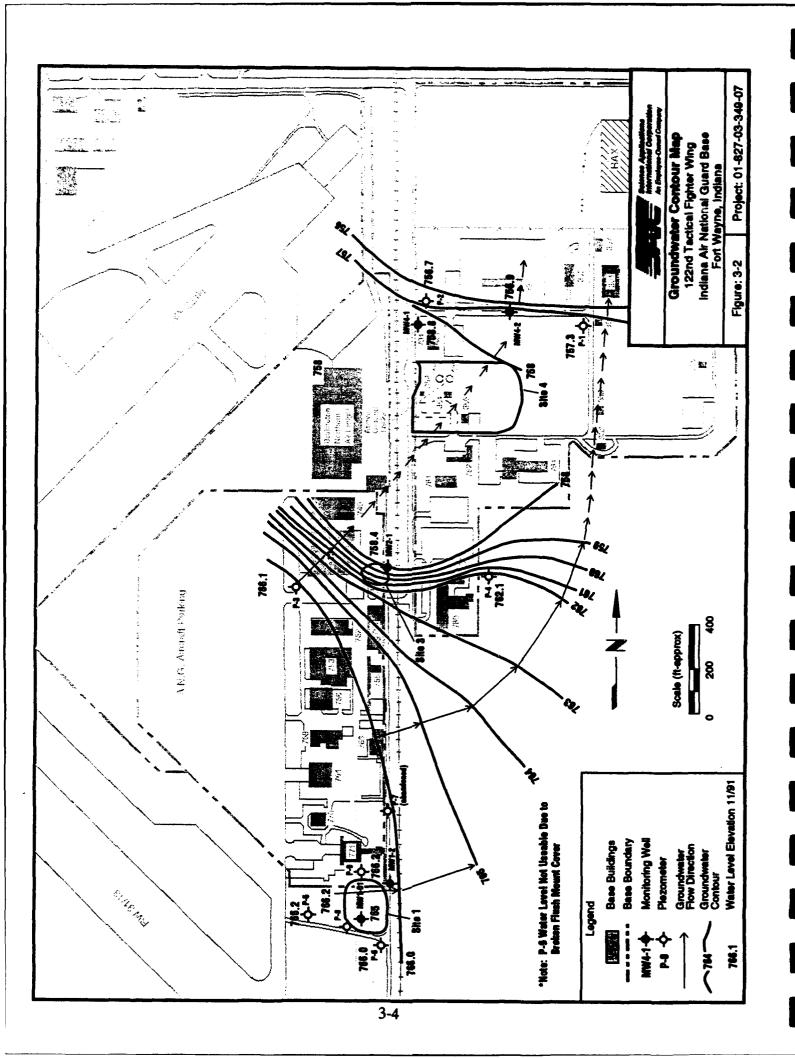
The hydrogeologic characterization of Indiana ANGB is based on lithology encountered during drilling, static water level measurements of wells and piezometers, and aquifer tests.

During the SI, groundwater was encountered in glacial drift aquifers. Water-bearing units were encountered between 767 and 755 feet above mean sea level (MSL) (typically 35 to 45 feet BGS). Deeper bedrock aquifers underlie the clay layer; however, the shallow glacial aquifer is more significant to the SI, since it is more likely to be affected by past disposal practices. The glacial aquifers are unconfined.

Regional groundwater flow patterns indicate that groundwater beneath the Base flows in an east to northeast direction, as shown in Figure 3-1 (Bleuer and Moore 1978). Local groundwater flow direction at the Base also was determined to be east to northeast based on static water levels measured in wells and piezometers during Phase I. This finding was confirmed by additional static water level measurements recorded during Phase II. Figure 3-2 presents groundwater elevation contours and the groundwater flow direction at the Base.

Rising head permeability tests were conducted on three monitoring wells during Phase I of the SI. These tests measured recovery rates of groundwater in the wells. The recovery rates were used to calculate hydraulic conductivity and groundwater flow rates at the Base. Static water level measurement results, permeability test data, graphs of well recovery rates, and the methods used are presented in Appendix D. The range of hydraulic conductivity determined for the three sites was from 2.29 x 10⁻⁵ to 2.96 x 10⁻⁴ cm/sec.





To calculate groundwater flow rates, an average hydraulic gradient was determined, and the porosity of the soils at the Base was assumed. Hydraulic gradient (I) is the change in hydraulic head per unit horizontal distance measured along the slope of the water table. A value of 0.005 was calculated as the average for the Base. The method used for calculating hydraulic gradients and the results are presented in Appendix B. A range of porosity values of 10 to 25 percent for glacial till (Driscoll 1986) was used to calculate the flow rate of the aquifer. The groundwater flow rate was calculated to be 3.8×10^{-6} cm/sec using a porosity of 10 percent, and 1.52×10^{-7} cm/sec using a porosity value of 25 percent. This was determined using the following equation:

Darcy Flow V = KI/n

where:

K = Hydraulic conductivity

I = Hydraulic gradient

n = Porosity.

Cross sections developed from geologic data collected during the field effort indicate that the aquifer is composed of a 10-foot thick zone of silt, sand, and gravel lenses, each ranging in thickness from 1 to 10 feet. The lenses are believed to be hydraulically connected in this region (Bleuer and Moore 1978).

Hydraulic conductivity of the clay layer was not calculated, although it can be assumed to be lower than the aquifer material conductivity of 7.6 x 10⁻⁵ cm/sec. Based on grain size analyses of soil collected just above the sandy gravel aquifer, the soil above the aquifer is classified as clay. The conductivity of water through unconsolidated clay ranges from 10⁻⁹ to 10⁻⁶ cm/sec (Fetter 1980). The results of grain size and textural analyses at each site is presented in Appendix H.

3.2 DATA QUALITY ASSESSMENT

A standardized QA/QC program was followed during the SI conducted at the Indiana ANGB to ensure that analytical results and the decisions based on these results were

representative of the environmental condition at the sites. The objective of the SI was to confirm the presence of contamination, collect and analyze sufficient numbers of samples to determine the lateral and vertical extent of contamination detected during the Phase I field effort, and present recommendations on further actions. The SI was conducted using the Hazardous Waste Remedial Actions Program (HAZWRAP) Levels B and C (i.e., U.S. Environmental Protection Agency [EPA] Levels II and III) QC requirements described in Requirements For Quality Control Of Analytical Data (DOE/HWP-65/R1, July 1990). The results of validated laboratory analyses of soil, sediment, and groundwater samples are presented in Appendix E. The numbers of soil and sediment samples and groundwater samples collected during the SI, in addition to the numbers of field QC samples collected and selected laboratory QC (i.e., matrix spikes and duplicates) samples analyzed, are summarized in Appendix F. The data validation worksheets are referenced within the subsection describing the applicable analysis. The QC checks and results applicable to the Phases I and II field efforts are summarized below.

3.2.1 Data Quality Objectives

The following sections summarize the data quality objectives (DQOs) for precision, accuracy, representativeness, comparability, and completeness (PARCC) obtained during the SI.

3.2.1.1 Precision

Precision was defined as the reproducibility, or degree of agreement, among replicate measurements of the same quantity. The closer the numerical values of the measurements are to each other, the more precise the measurement is. Analytical precision was expressed as the percentage of the difference between results of duplicate samples for a given compound or element. Relative percent difference (RPD) was calculated using the equation given in Appendix F.

Precision was determined using matrix spike/matrix spike duplicate (MS/MSD) and duplicate sample analyses conducted on samples collected for volatile organic compound (VOC), semivolatile organic compound (SVOC), pesticide/polychlorinated biphenyl (PCB) analyses and total petroleum hydrocarbon (TPH), oil and grease, priority pollutant metals, and total dissolved solids (TDS) analyses during the SI. The laboratory selected 1 sample in 20 and split the sample

into 2 additional aliquots. MS/MSD samples were prepared by routinely analyzing the first aliquot for the parameters of interest, while the remaining two aliquots were spiked with known quantities of the parameters of interest before analysis. The RPD between the spike results was calculated and used as an indication of the analytical precision for the VOC and SVOC analyses performed. Duplicate samples (i.e., for priority pollutant metals, oil and grease, TPH, and TDS analyses) were prepared by subdividing 1 sample of every 20 samples received and analyzing both samples of the duplicate pair. The RPD between the spike results was calculated and used as an indication of the analytical precision for VOC, SVOC, and pesticide/PCB analyses performed. The RPD between two detected concentrations was calculated and used as an indication of the analytical precision for the analyses performed.

All RPD values calculated from the VOC analyses were within the EPA Contract Laboratory Program (CLP) advisory control limits for analytical precision. Thirteen RPD values (of 55 total values) calculated from the SVOC analyses and 1 RPD value (of 6 total values) calculated from the pesticide/PCB analyses were outside the EPA CLP advisory control limits for analytical precision. Since each analysis was evaluated according to the required QC criteria described in Section F.3 and all of these criteria were met for the environmental samples analyzed, these RPD values are considered to be a more representative reflection of the variability characteristic of the environmental conditions at the Base, and as a result, the analytical DQO for VOC, SVOC, and pesticide/PCB (for soils only) precision is considered to have been met. The analytical precision DQO for pesticides/PCBs in groundwater could not be evaluated, since the MS/MSD analyses for that matrix was conducted using a field QC blank rather than an environmental sample.

All priority pollutant metals RPD values were within the control limits, except aluminum, arsenic, chromium, copper, lead, manganese, and zinc. As a result, data validation qualifiers were applied to these elements in numerous soil samples associated with those samples analyzed in duplicate. These results are considered to have little impact on the environmental data quality and considered more likely to be a result of the regional matrix variability, since all other analytical QC criteria were met. Therefore, the analytical precision DQO for these metals analyses is considered to have been met. Four RPD values calculated from TPH analysis, one

RPD value calculated from oil and grease analysis, and one RPD value calculated from TDS analysis were within the appropriate limit; therefore, the analytical precision DQO for these analyses is considered to have been met. The analytical QC evaluation criteria used to evaluate precision and all MS/MSD results are discussed in Section F.3.

Sample collection reproducibility and media variability were measured in the laboratory by the analysis of field replicates. Field replicates were collected using the same techniques as those used to collect the environmental samples. One in 10 similar matrices was collected, and sample collection reproducibility and media variability were evaluated based on the RPD values between two duplicate samples. No corrective action was taken based on RPD values.

All soil samples to be analyzed by the laboratory were collected using brass (i.e., for VOC, SVOC, TPH, and oil and grease analyses) and stainless steel (i.e., for priority pollutant metals analyses) liners. Each split spoon was filled with sufficient liners such that replicate samples could be collected at any sample collection interval. After the split spoon sampler was retrieved from the borehole, these liners were capped and labeled and each sample was shipped to the laboratory in the liner. Therefore, the replicate concentrations measured by the laboratory reflect the natural matrix variability inherent in the soil at the Base. Field RPD values were calculated only for compounds and elements detected above the contract required detection limits (CRDLs) in both replicate pair samples and only for those compounds and elements not considered to be common laboratory contaminants (e.g., methylene chloride and zinc). Toluene was detected in one soil replicate pair (i.e., SB1A-3-4 and SB1A-3-4R). The RPD value was calculated at 141 percent. All other VOC, SVOC, and TPH RPD values met the acceptance criteria. Priority pollutant metals replicate RPD values met the evaluation criteria, except for lead in one soil replicate pair (i.e., SB1-3-3 and SB1-3-3R). Based on these RPD results and the acceptable QC results, the sample collection DQO for reproducibility is considered to have been met. A comprehensive discussion of all replicate sample results is presented in Appendix F (Section F.2.4).

3.2.1.2 Accuracy

Accuracy was defined as the degree of difference between measured or calculated values and the true value. The closer the numerical value of the measurement approaches the true value, or actual concentration, the more accurate the measurement is. Analytical accuracy is expressed as the percent recovery of a compound or element that has been added to the environmental sample at a known concentration before analysis. The percent recovery values were determined using the equation given in Appendix F.

Laboratory accuracy was qualitatively assessed by evaluating sample holding times, method blank, tuning and mass calibration (gas chromatography/mass spectrometry [GC/MS] only), system performance compound and surrogate recovery (GC/MS and GC, respectively, only), internal standard (GC/MS only), laboratory control sample (LCS) and method blank spike recovery, and initial and continuing calibration results calculated from all analyses conducted on environmental samples.

Seven (of 150 values), three (of 110 values), and one (of 18 values) percent recovery values were outside the required control limits. All supporting VOC, SVOC, and pesticide/PCB information cited above was qualitatively evaluated with respect to the analytical accuracy. Selected data validation qualifiers were applied to the VOC environmental sample results due to method blank interference (i.e., methylene chloride), internal standard performance, and poor surrogate recoveries. Selected data validation qualifiers were applied to the SVOC environmental sample results due to the exceeded holding times, internal standard performance, and poor surrogate recoveries. Undetected compounds in three soil samples and two groundwater samples were rejected due to the exceeded holding times. In addition, two soil samples and three groundwater samples were rejected due to poor surrogate recoveries. Of the qualified SVOC data points, these values have the greatest adverse impact on the environmental data quality. 4,4'-DDT in one water sample was rejected due to matrix spike recovery. Selected data validation qualifiers were applied to the pesticide/PCB environmental samples due to poor surrogate recoveries.

Data validation qualifiers were applied to 17 antimony, 6 arsenic, and 10 lead concentrations to indicate that these values were rejected due to unacceptable (i.e., less than 30 percent recovery) matrix spike recoveries. Mercury in one groundwater sample was rejected due to the exceeded holding time. In addition, data validation qualifiers were applied to numerous other priority pollutant metals concentrations to indicate that the matrix spike recoveries were outside the applicable control limits. Despite these values, no systematic laboratory error was detected, since all LCS criteria for soil and water samples were met. As a result, all associated soil and groundwater samples data were qualified for data validation purposes, as required by EPA validation quidelines; however, the results are considered to have little impact on the overall data quality. All supporting priority pollutant metals QC information cited above also was qualitatively evaluated with respect to the analytical accuracy DQO. Of this information, numerous data points in selected environmental samples were estimated due to method blank interference and mercury in selected samples was estimated due to the exceeded holding time. Based on the evaluation of the MS/MSD results and the associated QC results summarized in Section F.3, the overall laboratory accuracy is acceptable, and as such, the analytical DOO for accuracy was met, except where noted.

Sampling accuracy was maximized by adherence to the strict QA program presented in DOE/HWP-69/R1. All procedures (i.e., soil boring and monitoring well installation, soil and groundwater collection, equipment decontamination, and health monitoring equipment calibration and operation) used during the Indiana ANGRC SI were documented as standard operating procedures (SOPs). Field QC blanks (i.e., trip blanks, field blanks, and equipment blanks) were prepared to ensure that all samples represent the particular site from which they were collected, assess any cross contamination that may have occurred, and qualify the associated analytical results accordingly.

Data validation qualifiers (e.g., U[FB]) were applied to the methylene chloride, toluene, and acetone in 10 selected environmental samples (i.e., 3 groundwater and 7 soil samples) to indicate that these compounds were considered not detected due to associated field QC blank interference. These samples were validated using the highest concentration of the applicable interferent detected in the associated field QC blank. Data validation qualifiers were applied to

selected priority pollutant metals (i.e., predominantly cadmium, copper, lead, sodium, and zinc) and TDS detected in soil and groundwater samples to indicate that these concentrations are considered estimated, since the concentrations detected in the environmental samples did not exceed five times that detected in the associated field QC blank. Despite the data validation qualifiers, these field QC blanks are not considered to have adversely impacted the soil sample data quality, since metals are relatively nonvolatile and the possibility of cross contamination between field QC blanks and soil samples is remote. Therefore, it is unlikely that the water used to prepare the field QC blanks was a source of those elements and TDS detected in the associated groundwater samples, since the bailer was effectively rinsed numerous times with the sample media during the well preparation activities. Based on an evaluation of the compounds and elements detected in the field QC blanks, the overall field accuracy is acceptable, except where noted. As a result, the field DQO for accuracy is considered to have been met. A comprehensive discussion of the field QC results is presented in Section F.2.

3.2.1.3 Representativeness

Representativeness was defined as the degree to which the data accurately and precisely represent a characteristic of a population, parameter variations at a sampling location, a process condition, or an environmental condition. Sample representativeness was ensured during the SI by collecting sufficient samples of a population medium, properly distributed with respect to location and time. Representativeness was assessed by reviewing the drilling techniques and equipment; well installation procedures and materials; and sample collection methods, equipment, and sample containers used during the SI, in addition to the onsite GC analysis results and evaluating the RPD values calculated from the duplicate samples and the concentrations of interferents detected in the field and laboratory QC blanks. The reproducibility of a representative set of samples reflects the degree of heterogeneity of the sampled medium, as well as the effectiveness of the sample collection techniques.

All monitoring wells were installed using hollow stem auger drilling techniques. This method is commonly used to install monitoring wells to depths less than 100 feet. All samples were collected using the split spoon driven in front of the auger. As originally specified in the project Work Plan, California ring samplers (i.e., brass or stainless steel liners inserted into a

split spoon sampler) were to be used to collect all soil samples. All other data are considered to be representative.

Based on the evaluation of the factors described above and summarized in Section F.3, the samples collected during the SI are considered representative of the environmental condition at Indiana ANGB.

3.2.1.4 Comparability

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared to another and is limited to the other PARCC parameters, because only when precision and accuracy are known can one data set be compared to another. To optimize comparability, only the specific methods and protocols that were required by DOE/HWP-65/R1 were used to collect and analyze samples during the SI conducted at the Base. By using consistent sampling and analysis procedures, all data sets were comparable within the sites at Indiana ANGB, between sites at the installation, or among ANGB facilities nationwide, to ensure that remedial action decisions and priorities were based on a consistent data base. Comparability also was ensured by the analysis of EPA reference materials, establishing that the analytical procedures used were generating valid data.

All samples collected for VOC and SVOC analysis were analyzed using EPA methods and the March 1990 EPA CLP Statement of Work (SOW). Table 2-4 contains a list of EPA methods used. Samples collected for pesticides/PCBs, priority pollutant metals, TPH, oil and grease, and TDS analyses were analyzed using EPA methods. A summary of analytical methods and parameters is provided in Table 2-4.

Based on the precision and accuracy assessment presented above, the data collected during the SI at Indiana ANGB are considered to be comparable with the data collected during previous investigations.

3.2.1.5 Completeness

Completeness was defined as the percentage of valid data obtained from a measurement system. For data to be considered valid, they must have met all acceptance criteria, including accuracy and precision, as well as any other criteria specified by the analytical methods used. Based on the evaluation of the field and laboratory QC results presented in Sections F.2 and F.3, 99.4 percent of the sample data collected for VOCs; 91 percent of the sample data collected for SVOCs; 99.7 percent of the sample data collected for pesticides/PCBs; 98.5 percent of the sample data collected for priority pollutant metals; and 100 percent of the sample data collected for benzene, toluene, ethylbenzene, and xylenes (BTEX), TPH, and TDS during the SI were used as the basis for recommendations presented in this report.

Furthermore, project completeness was defined as the percentage of data used to prepare a preliminary risk evaluation and upon which recommendations for site remediation are based. For analytical data to be considered usable for risk evaluation and remediation recommendations, they must be satisfactorily validated. Rejected (i.e., due to holding time, surrogate, and matrix spike recoveries) values and concentrations reported for all analyses were not used in the risk estimates or for remediation recommendations due to the increased potential of using the concentrations of false positive compounds and elements or omitting compounds or elements (i.e., false negatives) that may have an adverse impact on human health. As a result, 564 SVOC, 1 pesticide/PCB, and 35 priority pollutant metals data points were rejected, and as a result, were not included in the preliminary risk evaluation. A complete list of these data points is presented in Appendix F.

3.2.2 Tentatively Identified Compounds

As required by the March 1990 EPA CLP SOW for organics analyses, those compounds (up to a maximum of 10 compounds) detected that cannot be identified as a CLP target volatile compounds were reported with the sample results (i.e., Form I) as tentatively identified compounds (TICs) on Form I VOA-TIC. A maximum of 20 semivolatile compounds were reported as TICs on Form I SVO-TIC. TICs were defined as compounds for which standard reference material was not used (or not available) to calibrate the GC/MS or to produce a daily reference mass spectrum that is unique for that compound. The exact identification is uncertain,

since the compound is identified by comparing the mass spectrum with those (i.e., the mass spectra of more than 50,000 compounds) in the National Institute of Science and Technology (NIST) library of mass spectra contained in the GC/MS data system, as required by the EPA CLP, and not with that of a standard. The concentration of each compound detected was calculated by using a response factor of one compared to the nearest internal standard. All TICs are reported as estimated (i.e., "J") concentrations, since the response factor also is estimated.

The VOC and SVOC TIC data were used to recommend additional remedial measures (or to develop no further action Decision Documents at sites where VOC and SVOC TICs were not detected), since the hydrocarbons that make up the JP-4 fuel mixture are not CLP target compounds, except benzene, toluene, ethylbenzene, p-xylene, o-xylene, naphthalene, and 2-methyl-naphthalene. As a result, most petroleum fuel hydrocarbons that make up JP-4 are reported as VOC and SVOC TICs, if detected in a soil or water sample. Furthermore, the TICs potentially might be the only indicator of contamination at some sites where fuel spills occurred or fire training activities were conducted in decades past, since the VOCs are volatile and would likely not be detected and the SVOCs make up less than 0.5 percent (by weight) of any given JP-4 mixture. For the purposes of the SI, VOC and SVOC TICs that could not be directly attributed to laboratory method blank or field QC blank interference were used to indicate contamination resulting from past JP-4 use at the applicable site. All TIC concentrations were summed and reported in the Appendix E data presentation tables as a single estimated value. The number of individual compounds reported was presented in parentheses adjacent to the cumulative concentration.

3.3 BACKGROUND SAMPLING

Three background borings were drilled and sampled during the SI program. One boring (BG1) was drilled during Phase I and two samples were collected, one at 0 to 2 feet BGS and the other at 3 to 5 feet BGS. Two additional borings (BG2 and BG3) were drilled during Phase II activities. Three samples were collected from each of the two borings: one at the surface (0 to 2 feet BGS), one at the water table interface, and one at a depth half the distance to the water table. The intent of the background samples was to establish a baseline for contaminant concentrations for comparison to site-related contaminant concentrations. The locations of the

borings are shown in Figure 3-3. The analytical results for soil samples collected from the background borings are presented in Table 3-1.

As shown in Table 3-1, TPHs were detected at 670 mg/Kg in the surficial background sample collected from BG1. In boring BG2 drilled during Phase II, TPH were detected at 220 mg/Kg in the surficial sample (0 to 1.5 feet BGS), and at 100 mg/Kg in the sample collected at 3 to 4.5 feet BGS. Toluene was detected in samples collected from all borings (BG1, BG2 and BG3) drilled during the SI (Table 3-1). Some SVOCs were detected in the surficial sample (0 to 2 feet BGS) from boring BG1, and in samples collected from boring BG2. Boring BG1 was drilled just east of the Base entrance Guard House in an area not impacted by any of the three sites. Potential sources of petroleum hydrocarbons in boring BG1 surface soil include analytical interferences from naturally occurring organic material in the soil or hydrocarbons exhausted from the numerous vehicles entering and exiting the Base. The analytical method used for TPH during Phase I (EPA 418.1) was changed to EPA SW Method 8015 during Phase II in order to detect only anthropogenic petroleum contaminants. PAHs are products of incomplete combustion and also may have occurred in BG1 surface soil as a result of vehicle exhaust.

At boring BG2 drilled during Phase II, contaminants detected in the soil samples are most likely from a source not related to Site 1 activities. This boring was drilled upslope from Site 1 -Former Fire Training Area (FTA) as confirmed by surveying activities and is outside of Site 1 boundaries. As explained in Section 3.4, contamination that might result from fire training activities at Site 1 would most likely be detected at the former FTA surface, which is downslope from BG2 and approximately 10 to 12 feet BGS.

Background analytical results represent conditions not associated with site activities. Petroleum hydrocarbons and PAHs observed in some background surface samples are most likely from operations that are routinely conducted at the Base. Operations such as aircraft maintenance and flight testing are routinely conducted and will continue to be conducted in the future. Therefore, background data obtained for the Base were used in evaluating the significance of site-specific field and laboratory results.

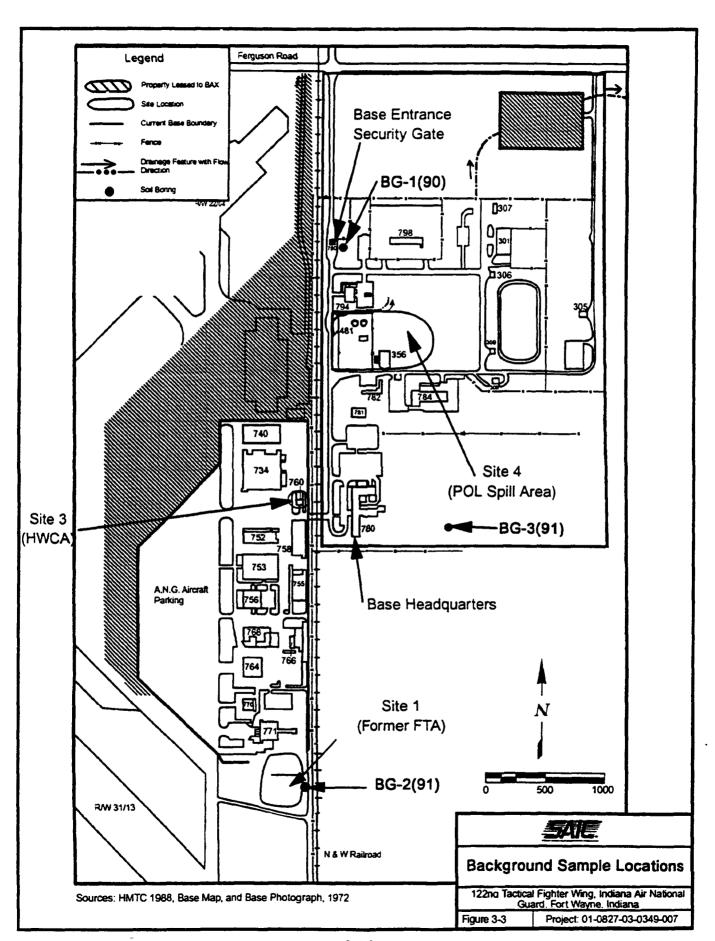


Table 3-1. Summary of Analytical Results for Background Samples, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

Sample No.	BG1-1	BG1-2	BG2-1	BG2-2	BG2-3	BG2-4
Depth (ft. BLS)	0 - 2	3 - 5	0 - 1.5	3 - 4.5	20 - 21.5	37 - 39
Sample Date	8/90	8/90	11/91	11/91	11/91	11/91
Matrix	Soil	Soil	Soil	Soil	Soil	Soil
Parameter						
Metals (mg/Kg)						
Алтітопу	NT	NT	ND	ND	3.5J(NB)	ND
Arsenic	NT	NT	8.5	9.3	7.6	7.1
Beryllium	1	2.8	0.69J(B)	0.6J(B)	0.5J(B)	.6J(B)
Cadmium	0.34J(MB,B)	0.49J(MB,B)	0.67J(MB,B)	0.34(B)	0.71J(MB,B)	0.6J(MB,B)
Chromium	15.5	34	22.2	21.1	16.7	19.1
Copper	13 J(FB)	29.3	30.2J(N*)	28.6J(N*)	24.8J(N*)	23J(N*)
Lead	NT	NT	30.6	14.1	9.1	10.3
Nickel	11 J(MB)	28.3	26.3	34.7	27.9	37.4
Thallium	NT	NT	0.28J(B)	0.4J(B)	0.4J(B)	0.5 J (B)
Zinc	41.9J(FB)	71.9 J(FB)	75.9	93	72.3	76.1
Total Petroleum Hydrocarbons (mg/Kg)	670	ND	220	100	ND	ND
Volatile Organics (μg/Kg)						
Toluene	NT	180J(SSR,IS)	2(J)	31	41	ND
Semivolatile Organics (µg/Kg)		ND			ND	ND
2,4-Dinitrotoluene	ND	ND	3,400	ND	ND	ND
Benzo(a)anthracene	ND	ND	1,000	ND	ND	ND
Benzo(a)pyrene	210(J)	ND	1,100	ND	ND	ND
Benzo(b)fluoranthene	170(J)	ND	2,200	1,000	ND	ND
Benzo(k)fluoranthene	320(J)	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	ND	ND	ND	370	ND	ND
Chrysene	ND	ND	ND	490	ND	ND
Fluoranthene	ND	ND	1,500	920	ND	ND
Fluorene	220(J)	ND	ND	ND	ND	ND
N-Nitrosodiphenyl-amine	ND	ND	800	ND	ND	ND
Phenanthrene	ND	ND	600	420	ND	ND
Pyrene	190(J)	ND	1,600	880	ND	ND

ND - Not Detected (with no accompanying data validation qualifiers); NT - Not Tested

J - Concentration should be considered as an estimate

U - Compound/element was not detected, but is presented with accompanying data validation qualifier

R - Data rejected

Note: A list of relevant data validation qualifiers is included at the end of Table 3-1.

Table 3-1. Summary of Analytical Results for Background Samples, 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana (continued)

	T	r - 	
Sample No.	BG3-1	BG3-2	BG3-3
Depth (ft. BLS)	0 ~ 1.5	15 - 16.5	29 - 30.5
Sample Date	11/91	11/91	11/91
Matrix	Soil	Soil	Soil
Parameter			
Metals (mg/Kg)			
Antimony	ND	ND	ND
Arsenic	7.8	7.3	1.21J(MB,B)
Beryllium	0.75J(B)	0.53J(B)	ND
Cadmium	ND	0.48J(MB,B)	ND
Chromium	16.3	17.9	3.9
Copper	46.2J(N*)	21.9J(N*)	7.9J(N*)
Lead	20.6	9.3	2J(FB)
Nickel	19	30.9	6J(MB,B)
Thallium	ND	0.43J(B)	ND
Zinc	85.9	63.8	16.1J(MB)
Total Petroleum Hydrocarbons (mg/Kg)	ND	ND	ND
Volatile Organics (µg/Kg)			
Toluene	110J(IS)	110	ND _
Semivolatile Organics (µg/Kg)	ND	ND	ND

J - Concentration should be considered as an estimate

U - Compound/element was not detected, but is presented with accompanying data validation qualifier

R - Data rejected

List of Data Validation Qualifiers Applicable to Table 3-1

- J(B)[metals] the reported value is estimated because it is greater than the instrument detection limit (IDL), but less than the contract required detected limit (CRDL).
- J(MB) the reported value is estimated because the element also was detected in the associated laboratory method blank.
- J(FB)[metals] the reported value is estimated because the element also was detected in the associated field blank.
- J(N)[metals] the reported value was estimated because spike recovery is outside the control limits.
- J(*)[metals] the reported value was estimated because duplicate sample analysis is outside the control limits.
- J(IS), UJ(IS) the reported value was estimated because internal standard area is outside the control limits.
- J(SSR) the reported value was estimated because surrogate recovery is outside the required control limits.

3.4 SITE 1 - FORMER FIRE TRAINING AREA

Site 1 - Former Fire Training Area (FTA) was used from the late 1950's until 1972 when fire training activities were terminated at this location. The location of this site is shown in Figure 1-2. During the time the former FTA was used, approximately 500 gallons of aviation fuel were burned per year for a total of 9,500 gallons during the time the former FTA was in operation. After fire training operations ceased, the area was filled primarily with native clay and some construction debris, and graded to form the current topography at the site. The former FTA surface is approximately 10 to 12 feet below the current ground surface. The intervening surface consists of backfill material, which is mostly clay and silty sand.

The site history and the present topography and subsurface conditions should be kept in perspective when evaluating the nature and extent of contamination at Site 1. Since the former FTA surface is located approximately 10 to 12 feet BGS, any contamination that is related to fire training activities conducted at the site would be expected to be detected at or below the former surface. The focus of the SI, however, was not only to determine the presence of site-related contamination within the former FTA surface, but also at the current ground surface. This was because the significance of any contamination present above the former FTA surface, although not related to fire training activities, should be evaluated. Accordingly, soil samples were collected above, at, and below the former FTA surface.

Ten soil borings were drilled at the site. Four borings were drilled during Phase I activities in August 1990, and six borings were drilled during Phase II activities in October and November 1991. Groundwater samples were collected from two downgradient monitoring wells and one piezometer installed upgradient from the FTA site, and from an open soil boring drilled in the center of the former FTA. The following sections present the findings of the SI field investigations conducted at Site 1. A presentation and discussion of the laboratory results of soil and groundwater samples collected at the site is included. A brief discussion on the subsurface geologic profile, information on groundwater flow direction, and conclusions drawn concerning the nature and extent of contamination also are presented.

3.4.1 Site-specific Geologic Discussions

The geologic and hydrogeologic characteristics are similar to the description of Base characteristics discussed in Section 3.1 except for the presence of fill material overlying the former ground surface and a more easterly groundwater flow direction. Groundwater flow at Site 1 was determined from static water level measurements of five piezometers installed around the site, and two monitoring wells installed at the site. In the area of the former FTA, groundwater flows east-northeast; groundwater flow under the Base-is generally northeast. The location and depiction of a cross section showing the general geology at Site 1 are shown in Figures 3-4 and 3-5, respectively.

A layer of fill material composed primarily of native clay and reportedly some construction debris (HMTC 1988) was deposited over the Site 1 area (Figure 3-4); however, during drilling activities at Site 1, no significant areas of construction debris were encountered. The clay forming the fill layer appeared to have the same characteristics as the native clay found throughout the Base. The fill layer ranges in depth from approximately 5 to 13 feet above the former ground surface. In the area of the former FTA, the fill layer is 10 to 12 feet BGS. The fill material covers an area approximately 255 by 300 feet. Based on the results of the surveying conducted to delineate the former FTA boring and discussions with the former Base Fire Chief, the FTA comprises an area approximately 15 by 90 feet.

3.4.2 Soil Sampling Results

An evaluation of analytical results for soil samples collected from the 10 borings at Site 1 - Former FTA are presented below. The borings drilled at the site are designated SB1-1 through SB1-10. The locations of these borings are shown in Figure 3-6. The analytical results for the soil samples collected from the former FTA are shown in Table 3-2; profiles depicting the concentrations of contaminants detected in the soil samples are shown in Figure 3-7.

The analytical results for the soil samples from the former FTA have been divided into two groups to effectively evaluate the data: 1) results of samples collected above the former FTA surface (5 to 12 feet BGS), and 2) results from soils at and below the former FTA surface (from 5 feet below current ground surface to the water table).

3.4.2.1 Analytical Results of Samples Collected Above the Former FTA Surface

The following briefly summarizes the analytical results for samples collected above the former FTA surface (Table 3-2):

- TPH were detected in samples SB1-4-1 (collected in the surficial 0- to 2-foot layer) at 2,400 mg/Kg and SB1-10-2 (collected at 5 to 6.5 feet BGS) at 1,900 mg/Kg.
- Organics detected in samples collected above the former FTA surface were toluene at 80 μg/Kg in sample SB1-4-1; four PAHs (i.e., benzo(a)pyrene, benzo(b)fluoranthene, fluoranthene, and pyrene) in sample SB1-7-1 (however, only fluoranthene levels should be considered for evaluation, as concentrations of the other three compounds are only estimates); toluene and several PAHs in sample SB1-9-1; acetone, toluene, and the same four PAHs listed above in sample SB1-10-1; and acetone, methylene chloride, and toluene in sample SB1-10-2.
- Several metals were detected in all samples collected above the former FTA surface, including antimony, arsenic, beryllium, cadmium, chromium, copper, lead, nickel, selenium, thallium, and zinc. Not all of the metals were detected in all samples; as evidenced from Table 3-2, the average concentrations of most of the metals detected are below background concentrations. Only arsenic and nickel in the top 2 feet of soils were slightly above background concentrations in the same depth interval.

3.4.2.2 Analytical Results of Soil Samples Collected Below the Former FTA Surface

In soil samples collected at and below the former FTA surface, site-related contaminants were predominantly detected in SB1-5 (which was drilled in the center of the former FTA), SB1-4, and SB1-7. Contaminants were detected in samples from borings SB1-2, SB1-8, SB1-9, and SB1-10, but these contaminants are either not considered to be related to the fire training activities or are otherwise not considered to be significant, as explained later in this section. The following summarizes the analytical results for samples collected below the former FTA surface from borings SB1-4, SB1-5, and SB1-7:

- In samples from boring SB1-4, TPH were detected at 1,500 mg/Kg at the former FTA surface, and at 1,400 and 1,100 mg/Kg in two samples collected below the surface. Benzene, toluene, ethylbenzene, and SVOCs, including several PAHs, also were detected in these samples.
- In samples from boring SB1-5, benzene, toluene, and 4-methylphenol were detected at the former FTA surface (10 to 11.5 feet BGS).

- Samples collected from boring SB1-7 showed the presence of TPH at 200 mg/Kg, and acetone, methylene chloride, toluene, and SVOCs, including several PAHs, in the sample collected at the former FTA surface (8.5 to 10 feet BGS).
- The same VOCs also were detected in the sample collected 5 feet below the former FTA surface (15 to 16.5 feet BGS) in boring SB1-7; however, no SVOCs were detected in this sample.

The following briefly summarizes additional analytical results from samples collected at and below the former FTA surface:

- TPH were found at 630 mg/Kg in sample SB1-2-3 collected at 14 to 18 feet BGS; no SVOCs were detected in this sample.
- No TPH or SVOCs were detected in boring SB1-3.
- Only methylene chloride at 56 μ g/Kg was detected in boring SB1-6; methylene chloride was detected in sample SB1-6-5 collected at 25 to 26.5 feet BGS.
- Acetone, toluene, and methylene chloride were detected in samples from SB1-8.
- VOCs, such as acetone, methylene chloride, and toluene, were detected in samples from boring SB1-9; however, several of the VOC concentrations are considered to be estimates (Table 3-2).
- The contamination distribution scenario observed in boring SB1-10 was similar to that in boring SB1-9.
- Metals detected in all samples are considered to be within background levels; the significance of these levels will be evaluated through a preliminary risk evaluation.

3.4.2.3 Evaluation of Soil Sampling Results

Based on physical inspection (visual appearance and prevalence of odor) of soil samples collected during the drilling of boring SB1-5, it appeared that the former FTA had been encountered. The field screening equipment used during field activities also detected the presence of organic vapors. However, the only contaminants detected in this boring were BTEX compounds found at the former FTA surface. A review of the actual operation of the fire training activities revealed that some unburned fuel remained at the end of each fire training event. At that time, the terrain at the fire training area sloped downward from east to west uniformly across the length (the long axis) of the burn area. Unburned flammable liquids

possibly were carried westward from the burn area. This is evidenced from the results of the samples collected from borings SB1-4 and SB1-7.

Soil boring SB1-4 was completed at approximately 50 feet west and downslope from the former FTA, due west of the southern extent of the FTA. Samples from this boring near the former FTA surface showed the presence of PAHs and TPH. Soil boring SB1-7 was completed approximately 75 feet west and downslope from the former FTA, due west of the northern extent of the FTA. Samples at the former FTA surface from this boring contained 13 PAHs ranging from 71 to 1,700 μ g/Kg and TPH at 200 mg/Kg. It appears that some of the unburned fuel from the FTA also reached this location.

In boring SB1-4, TPH were detected at the current land surface, 8 to 10 feet, 10 to 12 feet, and 12 to 14 feet BGS in decreasing concentrations from the current land surface. The presence of the high TPH in the surficial samples from the current land surface is not related to the fire training activities and is probably from another source originating at the current land surface. Therefore, the high levels of TPH and PAHs observed at the former FTA surface and below might partially be from this unknown source in addition to contaminants that may have migrated from the former FTA itself. In boring SB1-7, the four PAHs detected in the surficial samples are not considered to be related to the fire training activities and could possibly be a result of jet exhaust or recent burning at other locations.

Contaminants were not detected in soil boring SB1-6. This boring is located just north of the northern extent of the burn area. The absence of contaminants in SB1-6 indicates that contaminants primarily migrated downslope to the west and not to the north of the burn area.

Contaminants were not detected at the former FTA surface in soil boring SB1-9. This boring is located approximately 35 feet south of the southern end of the burn area. The absence of contaminants in SB1-9 indicates that the contaminant migration to the south was limited and confirms that the principal direction of contaminant migration was downslope to the west. The PAHs detected at the current land surface in this boring are not site-related, since they most

likely did not originate at the former FTA surface. The contamination may be due to aircraft exhaust or recent burning at other locations.

Contaminants were detected at the former FTA surface in boring SB1-10. this boring is located approximately 80 feet west of what is most likely the western extent of site-related contamination. The high occurrence of TPH in boring SB1-10 from 5 to 6.5 feet BLS is similar in concentration to TPH detected in boring SB1-4 and is not related to former FTA activities. Boring SB1-10 is beyond the extent of contamination delineated by the other borings and probably originates from a source closer to the airport runways west of Site 1.

3.4.3 Groundwater Sampling Results

Groundwater samples were collected during both phases of the field activities from monitoring wells MW1-1 and MW1-2, which are located downgradient from the former FTA (Figure 3-6). A sample also was collected from piezometer P-8, which is located upgradient from the site.

During each phase, the groundwater samples were analyzed for metals, TPH, VOCs, and SVOCs. The results of groundwater analyses for both Phases I and II are summarized in Table 3-3. In addition, one water sample was collected from boring SB1-5; this sample was collected when the water table interface was encountered and was analyzed only for organics (VOCs and SVOCs).

As shown in Table 3-3, no organics were detected in any of the groundwater samples. In addition, no organics were detected in sample GW1-1 collected from boring SB1-5. Several metals were detected in the groundwater samples. In particular, among the metals of concern (based on effects to public health and the environment), arsenic, chromium, lead, and nickel were detected during Phase II sampling; however, only arsenic and lead were detected during Phase I sampling. Only copper, lead, and zinc were detected in all samples collected during both phases (Table 3-3). Chromium and beryllium were detected in three of the six samples collected, arsenic in five samples, and nickel in four samples.

As mentioned in Section 3.4.2, except for arsenic and nickel in the top 2 feet of soils, the concentrations of all other metals detected in site soils are within background levels for the entire Base. The concentrations of metals detected in groundwater at the site are not considered to be entirely site related. Metals tend to be adsorbed easily to soils and are not easily transported by infiltrating water. Solubility of metals in water is mainly a function of oxidation state and pH. In a reducing environment or at a low pH, the solubility of metals increases; with increasing pH or oxidation, metals species are less soluble and precipitate out of the solution. Based on geotechnical tests conducted, pH of the site soils is between 7.7 and 8.2. At these pH levels, solubility of metals will be low. In addition, metals in the soil environment are relatively stable due to high sorption properties (high octanol/water partitioning coefficient). Therefore, metals mobility is limited in the soil environment at Site 1.

Based on site history, volatile organics would more likely be found in the soils, especially fuel-related compounds and compounds that are a result of combustion operations (e.g., PAHs). This is because, in comparison to metals, some halogenated organics would more easily tend to be transported through the soil matrix. However, no VOCs were detected in groundwater and only some VOCs were detected in the site soils at low concentrations. The metals concentration detected in site groundwater can be considered to consist of the following three groups:

- Fraction that is naturally occurring in groundwater
- Fraction that is site related
- Fraction that is due to contributions from other sources.

Based on an evaluation of the analytical results and review of the site geology, the fraction that is due to site-related contamination is considered to be minimal. It is difficult to estimate the fraction of metals concentration in groundwater that is actually from the site. However, it appears certain that the concentration of metals detected in groundwater is not entirely related to site activities. The significance of the concentration of metals detected in groundwater will be measured by comparison of the concentrations against applicable or relevant and appropriate requirements (ARARs).

3.4.4 Summary and Extent of Soil and Groundwater Contamination

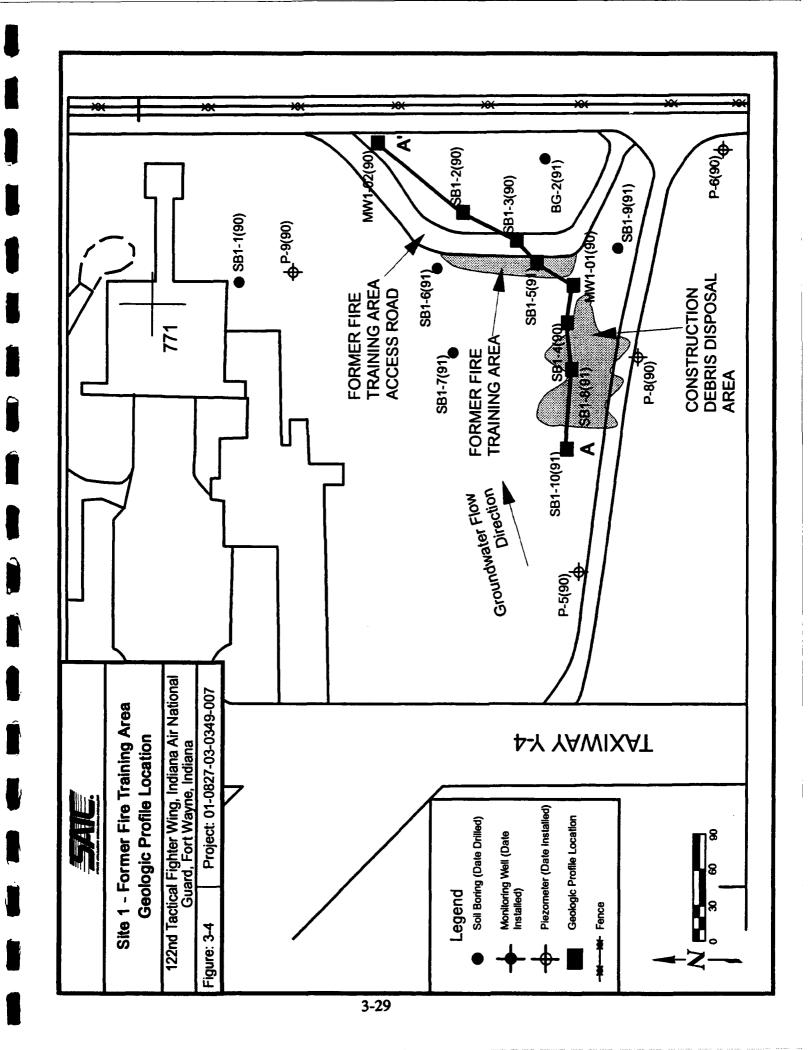
Contamination at Site 1 - Former FTA resulting from fire training activities appears to be present in soil only in an area immediately downslope from the former FTA. The area of contamination extends 60 to 80 feet west of the burn area and approximately 5 feet below the surface of the former FTA. The predominantly downslope migration of contaminants to the west is indicated by the presence of site-related contaminants in the soils west of the burn area and the absence of contaminants to the north (SB1-6), south (SB1-8 and SB1-9), or east (SB1-3). The western limit of contamination is presumed to be less than 85 feet from the burn area because no contaminants were detected in boring SB1-8 (located approximately 85 feet west of the southern extent of the burn area). The absence of contaminants at SB1-8 indicates that contaminants have not migrated south or west of this sampling point. The former terrain at Site 1 sloped downward from east to west uniformly across the length of the burn area; therefore, it is assumed that the contaminants from the burn area were likely to migrate uniformly downslope with surface flow.

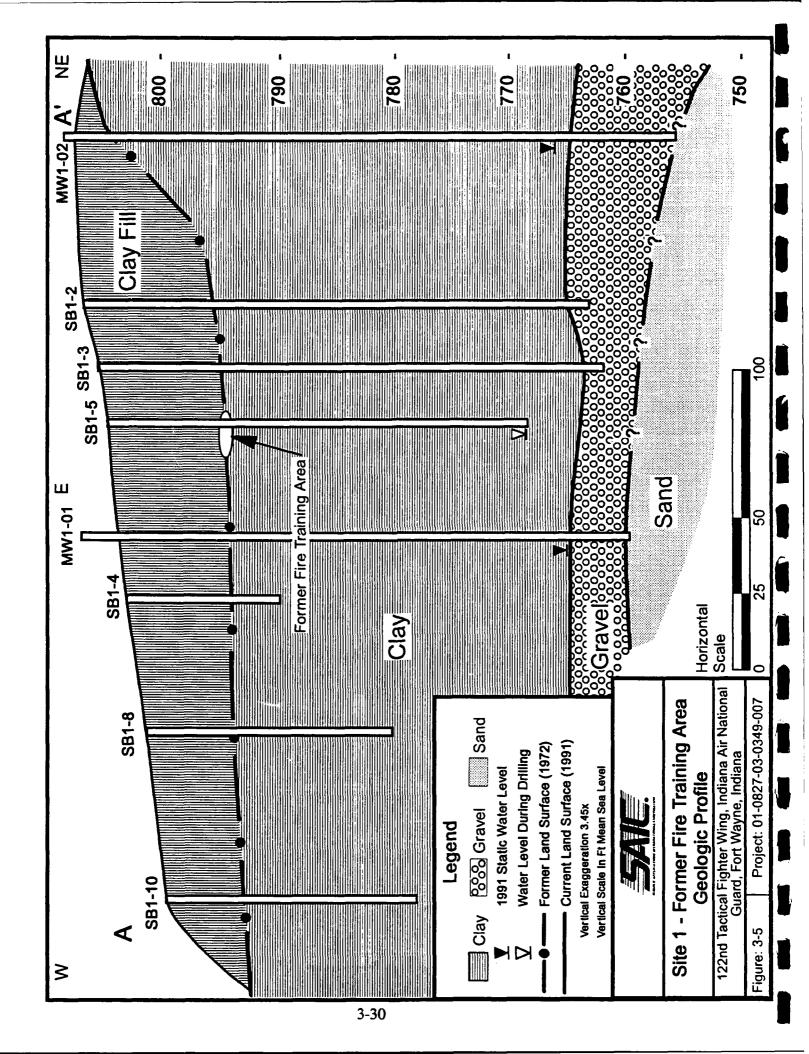
Another significant finding is that contaminants were not detected in subsurface soil at depths greater than 5 feet below the former FTA surface. Therefore, the vertical extent of soil contamination related to the former FTA does not exceed 17 feet BGS. The clay layer below the former FTA surface has apparently limited the vertical migration of contaminants.

The site-related contamination consists of BTEX compounds that are major components of aviation fuel, and SVOCs, which include several PAHs. PAHs are products of combustion and typically are found in areas where combustion has occurred.

No contaminants were detected in the groundwater. This is consistent with the soil sampling results, which indicate that contaminants have not migrated beyond 5 feet below the former FTA surface. The former FTA surface is capped by a layer of clay, which retards surface water infiltration. The thick clay layer that exists throughout the subsurface at the site appears to have contained the vertical migration of any contaminants in the vicinity of the former FTA surface and will continue to do so in the future.

Based on an evaluation of analytical results and a review of the site geology, it appears that the overall significance of the observed nature and extent of contamination is minimal. In addition, a preliminary risk evaluation was conducted to determine risks to public health and the environment due to the presence of observed contamination at the site. The results of this assessment are presented in Section 4.





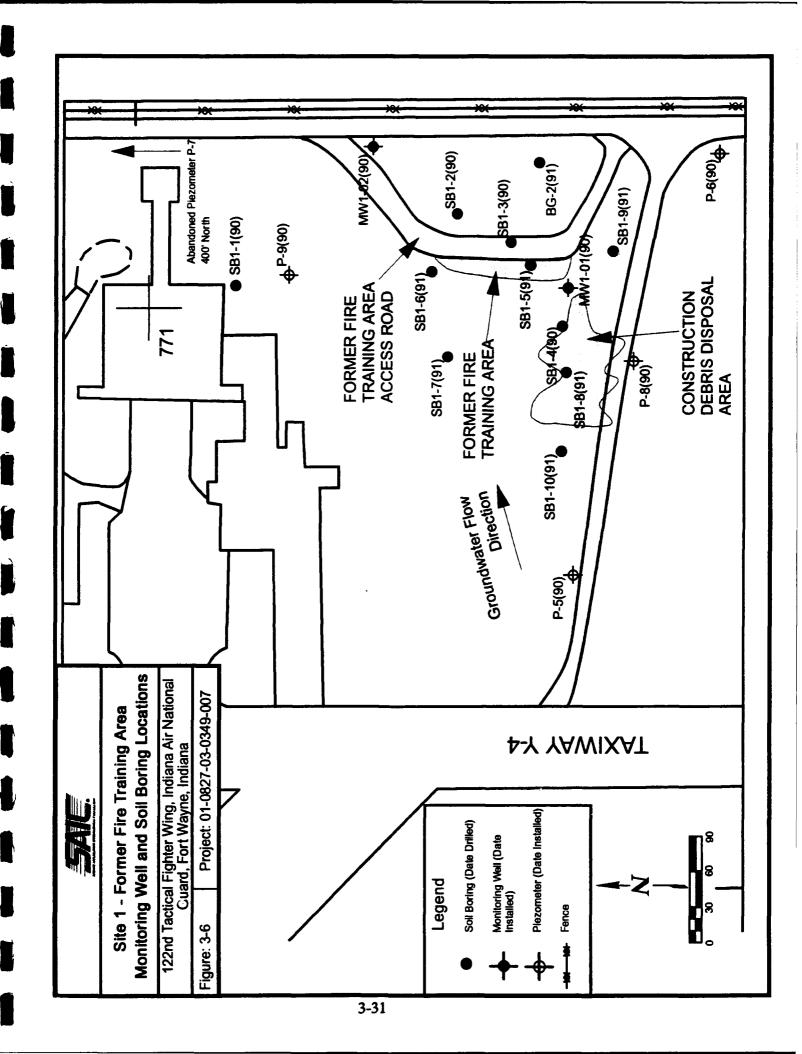


Table 3-2. Summary of Analytical Results for Soil Samples from
Site 1 - Former Fire Training Area

122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

Sample No.	SB1-1-11	SB1-1-12	SB1-2-3	SB1-2-16
Depth (ft. BLS)	30-32	31-33	14-18	42-44
Sample Date	8/90	8/90	8/90	8/90
Matrix	Soil	Soil	Soil	Soil
Parameter				
Metals (mg/Kg)				
Beryllium Cadmium	1.3 0.22J(MB,B)	0.74 ND	1.4 0.24J(MB,B)	0.93 ND
Chromium Copper	11.1 29.2	7.9 24.6	24.6 19.7	18.3 27
Lead Nickel Zinc	12.8 16.9J(MB) 29.6J(FB)	7.0 17 172	14 23.3 62.3J(FB)	17.9 22.2 42.3J(FB)
Total Petroleum Hydrocarbons (mg/Kg)	ND	ND	630	ND
Volatile Organics (µg/Kg)	NT	NT	NT	NT
Semivolatile Organics (µg/Kg)	ND	ND	ND	ND

J - Concentration should be considered as an estimate.

U - Compound/element was not detected, but is presented with accompanying data validation qualifier.

R - Data rejected.

Table 3-2. Summary of Analytical Results for Soil Samples from

Site 1 - Former Fire Training Area

122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana (Continued)

Sample No.	SB1-3-2	SB1-3-5	SB1-3-17
Depth (ft. BLS)	12-14	18-20	42-44
Sample Date	8/90	8/90	8/90
Matrix	Soil	Soil	Soil
Parameter		_	
Metals (mg/Kg)			
Beryllium	2.0	1.7	0.94
Cadmium	0.6J(MB)	0.34J(MB,B)	0.21J(MB,B)
Chromium	27.0	20.6	9.6
Copper	19.3	27.8	34.7
Lead	13.7	10	7.5
Nickel	29.7	26.2	23.8
Zinc	66.0J(FB)	54.4J(FB)	33.2J(FB)
Total Petroleum Hydrocarbons (mg/Kg)	ND	ND	ND
Volatile Organics (μg/Kg)	NT	NT	NT
Semivolatile Organics (μg/Kg)	ND	ND	ND

J - Concentration should be considered as an estimate.

U - Compound/element was not detted, but is presented with accompanying data validation qualifier.

R - Data rejected.

Table 3-2. Summary of Analytical Results for Soil Samples from
Site 1 - Former Fire Training Area
122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana (Continued)

Sample No.	SB1-4-1	SB1-4-2	SB1-4-3	SB1-4-4
Depth (ft. BLS)	0-2	8-10	10-12	12-14
Sample Date	8/90	8/90	8/90	8/90
Matrix	Soil	Soil	Soil	Soil
Parameter				
Metals (mg/Kg)				
Beryllium Cadmium Chromium	1.7 0.66J(MB) 19.4	1.3 0.49J(MB) 16.6	1.7 0.79J(MB) 20.5	1.6 0.37J(MB,B) 19.5
Copper	24.8	29.2	30.3	34.2
Lead	23.0	12.2	15.5	13.9
Nickel	24.8	22.3	29.1	31.4
Zinc	64.8	55.8	76.2	67.7
Total Petroleum Hydrocarbons (mg/Kg)	2,400	1,500	1,400	1,100
Volatile Organics (μg/Kg)				
Benzene	ND	ND	10	ND
Ethylbenzene	ND	ND	ND	93
Toluene	80	270J(SSR,IS)	67	350
Semivolatile Organics (µg/Kg)				
Anthracene	ND	ND	ND	280(J)
Phenanthrene	ND	ND	360(J)	1,100
Fluoranthene	ND	ND	730	1,100
Pyrene	ND	ND	730	1,000
Benzo(a)anthracene	ND	ND	560	530
Chrysene	ND	ND	620	560
Benzo(b)fluoranthene	ND	ND	720	530
Benzo(k)fluoranthene	ND	ND	800	580
Benzo(a)pyrene	ND	ND	790	540
Indeno(1,2,3-cd)pyrene	ND	ND	610	330(J)
Dibenzo(a,h)anthracene	ND	ND	260(J)	ND
Benzo(g,h,i)perylene	ND	ND	760	370(J)

J - Concentration should be considered as an estimate.

U - Compound/element was not detected, but is presented with accompanying data validation qualifier.

R - Data rejected.

Table 3-2. Summary of Analytical Results for Soil Samples from

Site 1 - Former Fire Training Area

122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana (Continued)

	001.51	and 5.0	07150	on 1 5 7
Sample No.	SB1-5-1	SB1-5-2	SB1-5-3	SB1-5-7
Depth (ft. BLS)	0-1.5	10-11.5	13.5-15	35-36.5
Sample Date	11/91	11/91	11/91	11/91
Matrix	Soil	Soil	Soil	Soil
Parameter				
Metals (mg/Kg)				
Arsenic	9.5	9.8	9.8	8J(*)
Beryllium	0.33J(B)	0.8J(B)	0. 56J(B)	0.40J(B)
Cadmium	ND	0.7 4J(MB,B)	0.83J(B)	0.33J(MB,B)
Chromium	8.5	18.6	19	17.3
Copper	22.4J(N*)	27.4J(N*)	39.0J(N*)	23.6
Lead	15.7	13.6	16.2	11.4
Nickel	20.2	28.3	39.8	28.9
Thallium	0.39J(B)	ND	0.33J(B)	0.35J(MB,B)
Zinc	59.3	83.5	80.4	63.9
Total Petroleum Hydrocarbons (mg/Kg)	ND	ND	ND	ND
Volatile Organics (µg/Kg)				
Benzene	ND	90	ND	ND
Toluene	ND	150	ND	ND
Semivolatile Organics (µg/Kg)				
4-Methylphenol	ND	1,900	ND	ND

J - Concentration should be considered as an estimate.

U - Compound/element was not detected, but is presented with accompanying data validation qualifier.

R - Data rejected.

Table 3-2. Summary of Analytical Results for Soil Samples from
Site 1 - Former Fire Training Area
122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana (Continued)

Samula Na	SB1-6-1	SB1-6-2	SB1-6-3	SB1-6-5	SB1-6-7
Sample No.	281-0-1	3B1-0-2	281-0-3	281-0-3	281-0-/
Depth (ft. BLS)	0-1.5	10-11.5	13.5-15	25-26.5	35-36.5
Sample Date	11/91	11/91	11/91	11/91	11/91
Matrix	Soil	Soil	Soil	Soil	Soil
Parameter					
Metals (mg/Kg)					
Antimony	ND	ND	ND	3.3 BN	ND .
Arsenic	9.7	5.5	8.2	R(N)	6.7
Beryllium	0.67J(B)	0.73J(B)	0.76J(B)	0.42J(B)	0.5J(B)
Cadmium	0.72J(MB,B)	ND	2.6	0.45J(B)	0.53J(MB,B)
Chromium	20.3	17.8	26.5	16.1	17.3
Copper	20.1J(N*)	18.8J(N*)	29.8J(N*)	28.2	29.1J(N*)
Lead	16.9	18.2	14.5	10.9	9.7
Nickel	27	21.8	94.7	29.3	33.3
Thallium	0.31J(B)	0.28J(B)	0.4J(B)	0.26J(MB,B)	0.37J(B)
Zinc	69	70	111	77.2	69.6
Total Petroleum Hydrocarbons (mg/Kg)	ND	ND	ND	21	ND
Volatile Organics (µg/Kg)					
Methylene Chloride	ND	ND	ND	56	ND
Semivolatile Organics (µg/Kg)	ND	ND	ND	ND	ND

J - Concentration should be considered as an estimate.

U - Compound/element was not detected, but is presented with accomp nying data validation qualifier.

R - Data rejected.

Table 3-2. Summary of Analytical Results for Soil Samples from
Site 1 - Former Fire Training Area
122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana (Continued)

Sample No.	SB1-7-1	SB1-7-2	SB1-7-3
Depth (ft. BLS)	0-1.5	8.5-10	15-16.5
Sample Date	11/91	11/91	11/91
Sample Date	11/91	11/91	11/91
Matrix	Soil	Soil	Soil
Parameter			
Metals (mg/Kg)	<u> </u>		
Arsenic	8.3J(*)	9.7J(*)	3.9J(*)
Beryllium	0.61J(B)	0.44J(B)	0.48J(B)
Cadmium	0.68J(MB,B)	0.79J(MB,B)	0.79J(MB,B)
Chromium	18.3	14.8	14.8
Copper	25.5	19.6	23.1
Lead	16.6	34.1	26.4
Nickel	28.1	22.9	23.6
Thallium	0.3J(MB,B)	0.26J(MB,B)	ND
Zinc	87.5	58.7	60
Total Petroleum Hydrocarbons (mg/Kg)	ND	200	ND
Volatile Organics (µg/Kg)			
Acetone	120U(EB)	160	220
Methylene Chloride	67U(FB)	76U(FB)	80U(FB)
Toluene	61	140	480
Semivolatile Organics (µg/Kg)			
Acenaphthene	ND	180(J)	ND
Anthracene	ND	220(J)	ND
Benzo(a)anthracene	ND	740	ND
Benzo(a)pyrene	160(J)	540	ND
Benzo(b)fluoranthene	390(J)	1,300	ND
Carbazole	ND	230(J)	ND
Chrysene	ND	730	ND
Dibenzofuran	ND	71(J)	ND
Fluoranthene	400	1,500	ND
Fluorene	ND	140(J)	ND
Indeno(1,2,3-cd)pyrene	ND	370(J)	ND
Phenanthrene	ND	1,400	ND
Pyrene	390(J)	1,700	ND

ND - Not Detected (with no accompanying data validation qualifiers); NT- Not Tested

J - Concentration should be considered as an estimate.

U - Compound/element was not detected, but is presented with accompanying data validation qualifier.

R - Data rejected.

Table 3-2. Summary of Analytical Results for Soil Samples from
Site 1 - Former Fire Training Area
122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana (Continued)

Sample No.	SB1-8-1	SB1-8-2	SB1-8-3	SB1-8-5
Depth (ft. BLS)	0-1.5	6.5-8.5	11.5-13	20-21.5
Sample Date	11/91	11/91	11/91	11/91
Matrix	Soil	Soil	Soil	Soil
Parameter				
Metals (mg/Kg)				
Arsenic Beryllium Cadmium Chromium Copper Lead Nickel Selenium Thallium Zinc Total Petroleum Hydrocarbons (mg/Kg)	8.1 0.51J(B) 1.2J(MB) 15.2 17.1J(N*) 33.9 20.4 ND 0.29J(B) 62.5	6.4 0.61J(B) 2.9 16 19.7J(N*) 31.3 23.7 ND 0.27J(B) 69.6	5.1 0.43J(B) 0.85J(B) 15.9 24.2J(N*) 11 28.1 0.98J(MB,B) 0.52J(B) 71.6	R(N) 0.6J(B) ND 19.5 42.6 11.4 30.4 ND ND 108*
Volatile Organics (µg/Kg)				
Acetone Methylene Chloride Toluene	ND ND 26(J)	ND ND 36	ND ND 190	58(J) 36 670
Semivolatile Organics (µg/Kg) Fluoranthene	ND	100J	ND	ND

ND - Not Detected (with no accompanying data validation qualifiers); NT- Not Tested

J - Concentration should be considered as an estimate.

U - Compound/element was not detected, but is presented with accompanying data validation qualifier.

R - Data rejected.

Table 3-2. Summary of Analytical Results for Soil Samples from

Site 1 - Former Fire Training Area

122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana (Continued)

Sample No.	SB1-9-1	SB1-9-2	SB1-9-3
Depth (ft. BLS)	0-1.5	5-6.5	10-11.5
Sample Date	11/91	11/91	11/91
Matrix	Soil	Soil	Soil
	500		501
Parameter		<u> </u>	
Metals (mg/Kg)			
Arsenic	12.6	4.5	5.3J(*)
Beryllium	0.68J(B)	0.47J(B)	0.8J(B)
Cadmium	0.44J(MB,B)	0.74J(MB,B)	0.5J(MB,B)
Chromium	15.3	15.9	19
Copper	34.6J(N*)	20.7J(N*)	20.8
Lead	21.6	9	11.9
Nickel	36.5	25.5	29.9
Thallium	0.55J(B)	0.31J(B)	ND
Zinc	116	58.3	74.5
Total Petroleum Hydrocarbons (mg/Kg)	ND	ND	ND
Volatile Organics (ug/Kg)			
Acetone	ND	120	55(J)
Methylene Chloride	ND	32U(FB)	31U(FB)
Toluene	250	170	1,000
Semivolatile Organics (µg/Kg)			
Benzo(a)pyrene	660	ND	ND
Benzo(b)fluoranthene	1,300	ND	ND ND
Fluoranthene	610	ND	ND
Indeno(1,2,3-cd)pyrene	500	ND	ND
Pyrene	620J(RPD)	ND	ND

J - Concentration should be considered as an estimate.

U - Compound/element was not detected, but is presented with accompanying data validation qualifier.

R - Data rejected.

Table 3-2. Summary of Analytical Results for Soil Samples from
Site 1 - Former Fire Training Area

122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana (Continued)

Sample No.	SB1-10-1	SB1-10-2	SB1-10-3	SB1-10-4	SB1-10-5
Depth (ft. BLS)	0-1.5	5-6.5	10-11.5	15-16.5	20-21.5
Sample Date	11/91	11/91	11/91	11/91	11/91
Matrix	Soil	Soil	Soil	Soil	Soil
Parameter					
Metals (mg/Kg)					
Antimony	4.9J(N,B)	5.2J(N,B)	ND	ND	ND
Arsenic	4.8J(*)	7J(*)	7J(*)	R(N)	7.5J(*)
Beryllium	ND	0.27J(B)	0.47J(B)	0.45J(B)	0.48J(B)
Cadmium	0.51J(MB,B)	ND	0.23J(MB,B)	0.71J(B)	1.3J(B)
Chromium	8.4	9.5	17.9	19.3	17.1
Copper	12.9	20.6	23.2	43.7	23.1
Lead	9.3	14.4	10.7	11.8	10.7
Nickel	14.4	14.9	25.5	30.4	33.3
Selenium	ND	ND	ND	0.42J(B)	ND
Thallium	ND	0.26J(MB,B)	ND	1.1J(MB,B)	0.38J(MB,B)
Zinc	36	55.8	62.8	95.3J(*)	61.6
Total Petroleum Hydrocarbons (mg/Kg)	ND	1,900	ND	ND	ND
Volatile Organics (µg/Kg)					
Acetone	70	190	75	190	130
1,2-Dichloroethene	ND	ND	49	ND	ND
Methylene Chloride	ND	69U(FB)	60U(FB)	66	ND
Toluene	160	160	99	640	370
Semvolatile Organics (µg/Kg)					
Benzo(a)pyrene	300(J)	ND	ND	ND	ND
Benzo(b)fluoranthene	660	ND	ND	ND	ND
Fluoranthene	710	ND	81(J)	ND	ND
Pentachlorophenol	ND	13,000(D)	ND	ND	ND ·
Pyrene	700	ND	94(J)	ND	ND

ND - Not Detected (with no accompanying data validation qualifiers); NT- Not Tested

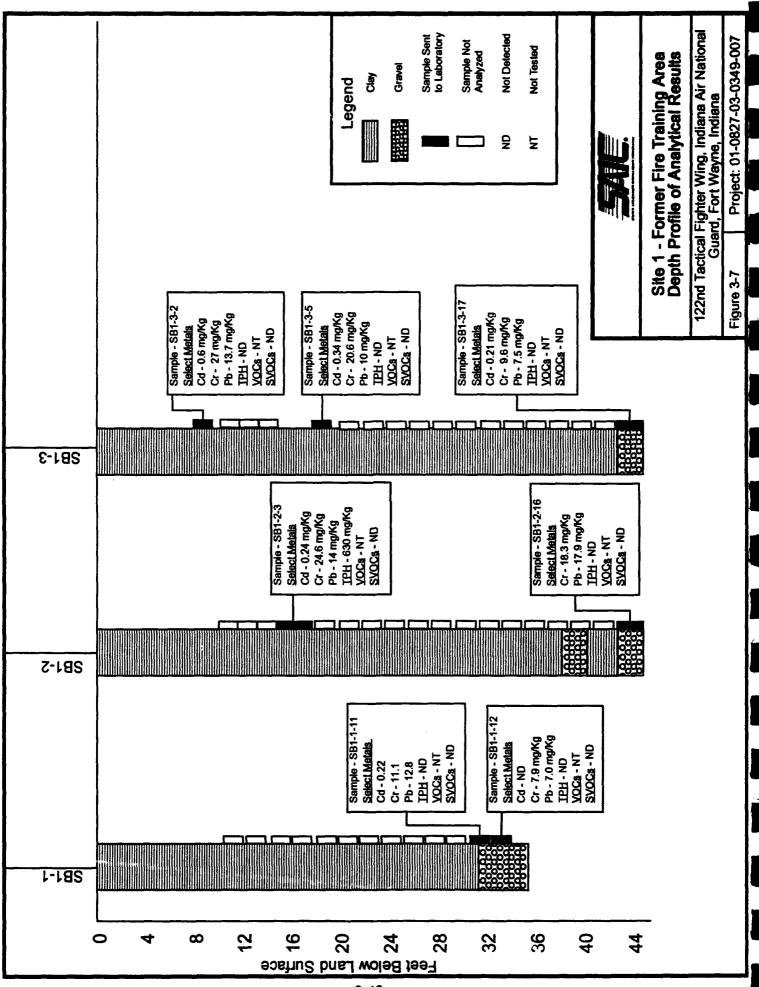
J - Concentration should be considered as an estimate.

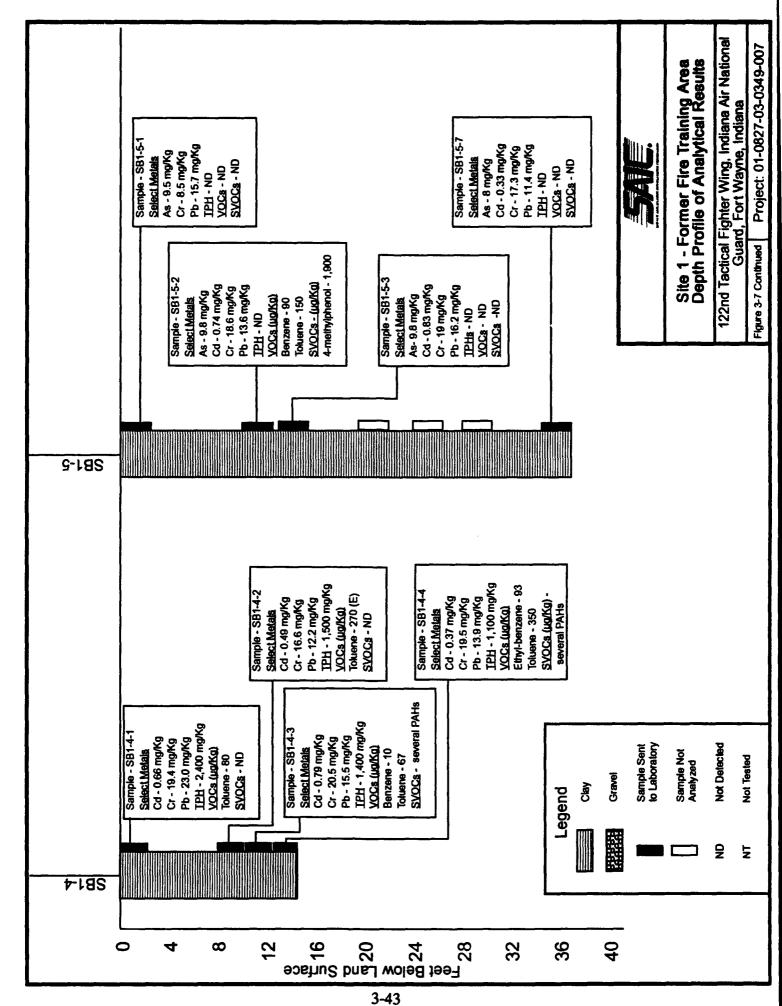
U - Compound/element was not detected, but is presented with accompanying data validation qualifier.

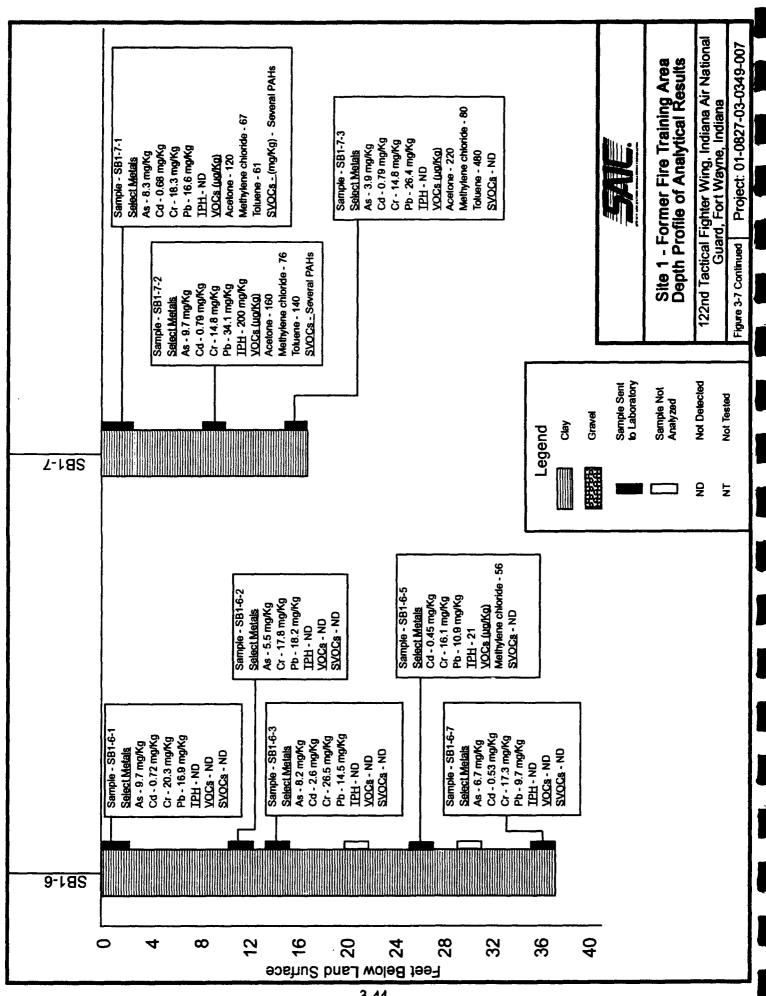
R - Data rejected.

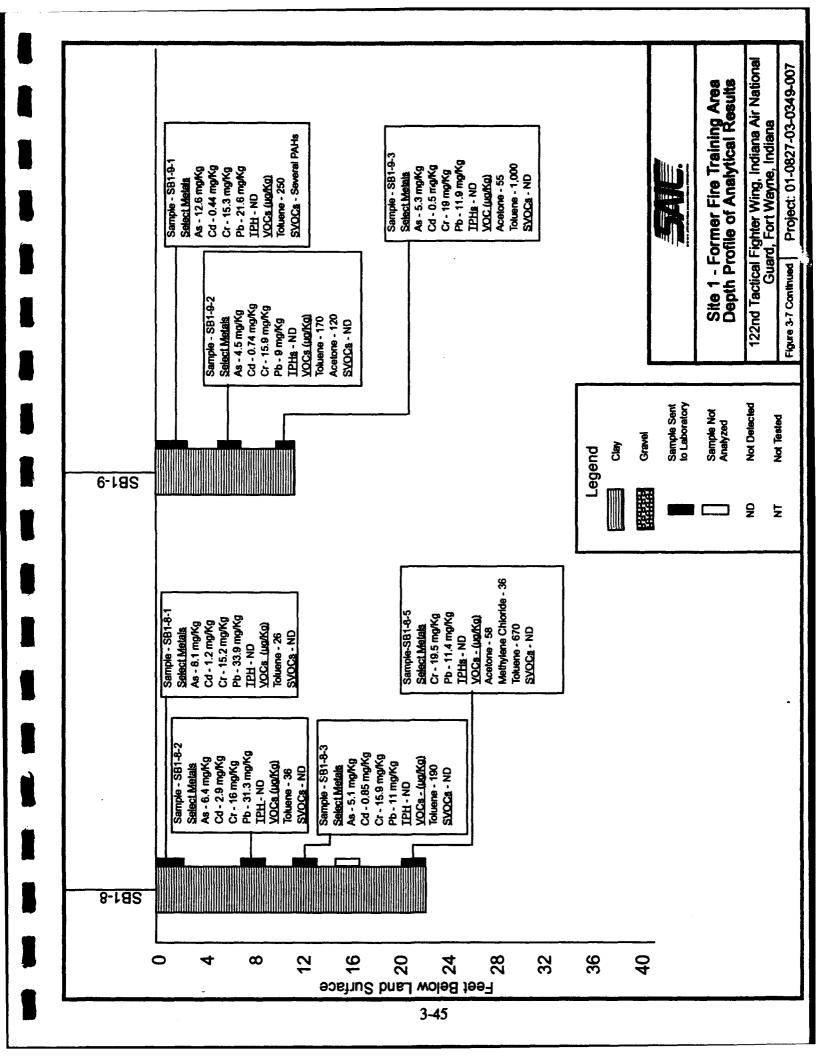
List of Data Validation Qualifiers Applicable to Table 3-2

- J(B)[metals] the reported value is estimated because it is greater than the instrument detection limit (IDL), but less than the contract required detection limit (CRDL).
- J(MB) the reported value is estimated because the element also was detected in the associated laboratory method blank.
- J(FB) [metals] the reported value is estimated because the element also was detected in the associated field blank.
- J(N) [metals] the reported value was estimated because spike recovery is outside the control limits.
- J(*) [metals] the reported value was estimated because duplicate sample analysis is outside the control limits.
- J(IS), UJ(IS) the reported value was estimated because internal standard area is outside the control limits.
- J(SSR) the reported value was estimated because surrogate recovery is outside the required control limits.
- U(EB) the reported value is cosidered as nondetected because the compound also was detected in the associated equipment blank.
- U(FB) the reported value is considered as nondetected because the compound also was detected in the associated field blank.
- R(N) [metals] the reported value was rejected because spike recovery is outside the control limits.









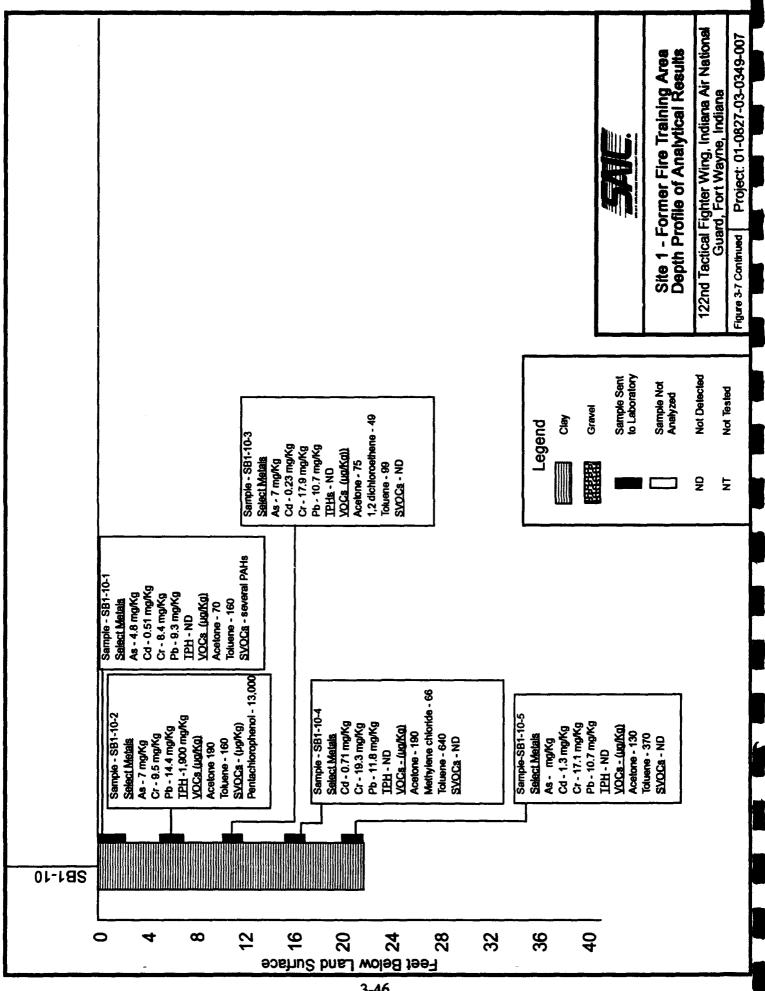


Table 3-3. Summary of Analytical Results for Groundwater Samples from Site 1 - Former Fire Training Area 122nd Tactical Fighter Wing, Indiana Air National Guard Fort Wayne, Indiana

Sample No.	MW1-1	MW1-2	P-8	MW1-1	MW1-2	P-8
Sample 140.	M 1-1	NI W 1-2	Γ-0	M1 W1-1	MW 1-2	r-8
Depth (ft. BLS)		-	<i>-</i>			-
Sample Date	8/90	8/90	8/90	11/91	11/91	11/91
Matrix	Ground- water	Ground- water	Ground- water	Ground- water	Ground- water	Ground- water
Parameter				-		
Metals (mg/L)						
Antimony	NT	NT	NT	14.2J(N,B)	ND	14.6J(N,B)
Arsenic	5.8J(B)	5.4J(B)	ND	92.4	7.4J(MB,B)	24.4
Beryllium	ND	ND	ND	1.8J(B)	1.11J(MB,B)	2.21J(B)
Cadmium	ND	ND	ND	ND	1.7J(B)	ND
Chromium	ND	ND	ND	60.9	21.2	71.8
Copper	11J(FB,B)	32J(FB)	37J(FB)	79.6	30.2J(B)	75.7
Lead	4.8J(FB,B)	14.3J(FB)	6.9J(FB)	49	15	38.1
Nickel	14J(MB,B)	ND	ND	74.1	30.2J(B)	84.6
Zinc	15J(FB,B)	51J(FB)	24J(FB)	221	96.4	212
Total Petroleum						
Hydrocarbons(mg/L)	ND	ND	ND	ND	ND	3U(MB)
Volatile Organics (ug/L)	ND	ND	ND	ND	ND	ND
Semvolatile Organics (ug/L)	ND	ND	ND	ND	ND	ND

Sample No.	GW1-1
Depth (ft. BLS)	-
Sample Date	11/91
Matrix	G'water
Parameter	
Volatile Organics (ug/L)	ND
Semivolatile Organics (ug/L)	ND

ND - Not Detected (with no accompanying data validation qualifiers); NT- Not Tested

J - Concentration should be considered as an estimate.

U - Compound/element was not detected, but is presented with accompanying data validation qualifier.

R - Data rejected.

List of Data Validation Qualifiers Applicable to Table 3-3

- J(B)[metals] the reported value is estimated because it is greater than the instrument detection limit (IDL), but less than the contract required detection limit (CRDL).
- J(MB) the reported value is estimated because the element also was detected in the associated laboratory method blank.
- J(FB) [metals] the reported value is estimated because the element also was detected in the associated field blank.
- J(N) [metals] the reported value was estimated because spike recovery is outside the control limits.
- J(*) [metals] the reported value was estimated because duplicate sample analysis is outside the control limits.
- U(MB) the reported value is cosidered as nondetected because the compound also was detected in the associated method blank.

3.5 SITE 3 - HAZARDOUS WASTE COLLECTION AREA

Site 3 - Hazardous Waste Collection Area (HWCA) is a 50-foot square gravel area enclosed by a wooden fence. The site is used as a temporary storage area for waste oils, solvents, paints, and thinners from various shops at the Base.

Six soil borings were installed at Site 3 to determine if contamination is present in the surface and subsurface soils and whether contamination extends beyond the fenced area that constitutes the storage area. Of the six borings, two were drilled to the water table to determine if contaminants had migrated vertically toward the groundwater aquifer. Of the remaining four borings, three were drilled to a depth of 2 feet BGS and one boring outside the fence was drilled to a maximum depth of 5.5 feet BGS to determine if contaminants were present in the surface soils.

The boring outside the fenced area was drilled to determine if contaminants had migrated offsite in a direction that surface runoff would most likely carry the contamination at the site. This boring was drilled at the only accessible downslope location. Further downslope from this location, underground and overhead utility lines are present, making soil sampling at the site inaccessible. In addition to soil borings, one monitoring well was installed downgradient from the site to determine if site-related contaminants were present in the groundwater.

The following sections present the findings of the SI field investigation conducted at Site 3 - HWCA. A presentation and discussion of the site-specific geology and hydrogeology, laboratory results of soil and groundwater samples collected from the site, and conclusions that were drawn from evaluating the data are included.

3.5.1 Site-specific Geologic and Hydrogeologic Discussions

The geology at Site 3 was altered slightly by the addition of a gravel layer within the fenced area. The engineered gravel layer is located from the surface to approximately 1 to 3 feet BGS and is confined to the fenced area. Except for this feature, the site geology and hydrogeology is similar to the Base characteristics discussed in Section 3.1. The location and depiction of a cross section showing the general geology at Site 3 is shown in Figures 3-8 and

3-9, respectively. Groundwater flow at Site 3 appears to be in a northeasterly direction, which is consistent with the flow direction for the entire Base.

3.5.2 Soil Sampling Results

The evaluation of analytical results for the soil samples collected from the soil borings at Site 3 - HWCA are presented below. The six borings drilled at the site are designated as SB3-1 through SB3-6. The locations of these six borings are shown in Figure 3-10. As evidenced from this figure, boring SB3-6 was drilled outside the fenced area. The analytical results for soil samples collected from Site 3 are shown in Table 3-4; profiles depicting the concentrations of contaminants detected in the soil samples are shown in Figure 3-11.

3.5.2.1 Analytical Results for Soil Samples

The analytical results for the soil samples from Site 3 have been divided into the following two groups to effectively evaluate the data:

- The top 1 to 4 feet of soil comprising the sand and gravel layer.
- From 4 feet BGS to the groundwater table comprising the silty clay layer. Additional information on the site geology is presented in Sections 3.1 and 3.6.1.

As shown in Table 3-4, TPH were detected in samples collected from 0 to 2 feet BGS from boring SB3-1, SB3-3, and SB3-4. TPH were not detected in the surficial sample from boring SB3-2 (SB3-2-1) and sample SB3-1-2 (2 to 4 feet BGS in the sand and gravel layer). These borings were completed during Phase I activities. TPH were detected at a concentration of 1,500 mg/Kg in sample SB3-3-1; 3,000 mg/Kg in sample SB3-4-1; and 5,900 mg/Kg in sample SB3-1-1. SVOCs were not detected in any of the surficial samples from the four porings drilled during Phase I, and only some halogenated organic compounds, such as toluene, acetone, and xylenes, were detected in the same surficial samples.

TPH and oil and grease were detected in the surficial samples collected from 0 to 1.5 feet BGS within the sand and gravel layer from borings SB3-5 and SB3-6 drilled during Phase II. In boring SB3-5, TPH were detected at 7,700 mg/Kg and oil and grease at 7,300 mg/Kg; only

TPH were detected at 98 mg/Kg in SB3-6-1. In the same borings, SVOCs were detected in two samples (SB3-5-1 and SB3-6-1) collected within the sand and gravel layer. These SVOCs consist of bis(2-ethylhexyl)phthalate in sample SB3-5-1 and several PAHs in sample SB3-6-1.

Volatile organic compounds, such as BTEX, acetone, and 2-hexanone, were detected in samples collected within the sand and gravel layer from borings SB3-2, SB3-3, and SB3-4 drilled during Phase I activities. In boring SB3-5, which was drilled during Phase II activities in the immediate vicinity of borings SB3-1 through SB3-4, no VOCs were detected, although TPH concentrations were similar in the samples collected. This indicates that the volatile organic contaminants detected during Phase I may have dissipated to the extent that they were not detected during Phase II. Natural attenuation through biodegradation and volatilization may have contributed to the reduction in volatile organic contamination.

Several metals were detected in soil samples from the sand and gravel layer, including arsenic, cadmium, chromium, lead, and nickel. Except for arsenic in samples SB3-3-1 and SB3-4-1, the concentration of almost all metals in onsite soil samples were within background concentrations. Because land use at the site was previously agricultural, the presence of elevated concentrations of arsenic may be due to past practices using arsenic-based pesticides.

3.5.2.2 Evaluation of Results

The contaminants in the sand and gravel layer comprising the top 4 feet of soil at Site 3 predominantly consist of oil and grease. As mentioned earlier, relatively high concentration of TPH (1,500 to 5,900 mg/Kg) were observed in samples collected during Phase I. However, the concentrations of VOCs and SVOCs in the same samples were not proportionate to the high concentrations of TPH detected in the samples. To reconcile this inconsistency, it was proposed that the TPH fraction may be oil and grease, which was not analyzed during Phase I activities.

Accordingly, samples collected during Phase II activities (SB3-5-1 and SB3-6-1) were analyzed for oil and grease in addition to TPH. The high concentration of oil and grease (7,300 mg/Kg) detected in the onsite soil sample (SB3-5-1) corresponds to the TPH concentration of

7,700 mg/Kg in that sample which confirms that the TPH fraction predominantly consists of oil and grease. The fraction of organic contamination (VOCs and SVOCs) is minimal compared to the oil and grease levels. Volatile organics detected during Phase I sampling were not observed in samples collected during Phase II. Natural attenuation processes, such as volatilization and biodegradation, may be partially responsible for the reduction in VOCs concentration. Volatilization, in particular, could easily occur through the loose sand and gravel layer.

Bis(2-ethylhexyl)phthalate was detected in sample SB3-5-1; however, it does not follow the trend of SVOC contamination observed in other soil samples and may not be significant. The significance of the concentration as it relates to risks to public health and the environment is evaluated in the preliminary risk evaluation conducted for this site.

The soil boring drilled 5 feet west and outside the fenced area (SB3-6) was located in a downslope direction from Site 3. Because of the topography of the area, which includes a gentle westward slope, soil boring SB3-6 is positioned to intercept contaminants that might have migrated offsite through surface runoff. PAHs, TPH, and bis(2-ethylhexyl)phthalate were detected in surface soil at SB3-6. PAHs were not detected in any soil samples collected from within the fenced area. Soil in the vicinity of SB3-6 was excavated in 1988 to install a 36-inch diameter storm drain pipe at approximately 10 feet BGS. Leaks from equipment used for excavation may have contributed to the contamination detected in SB3-6. During installation of the storm drain pipe, soils were excavated and replaced with clean engineered fill. Therefore, any contamination that might have been transported by surface runoff from Site 3 has now been removed. Contamination in the sand and gravel layer at Site 3 most likely has been confined to the fenced area and has not migrated outside the borders of the fenced area. This is consistent with the site history, wherein all storage activities were contained within the fenced area, and therefore, any contamination present would be expected to be detected predominantly within the boundaries of the storage area.

In the deeper silty clay layer (deeper than 5 feet BGS), three samples were collected: one from boring SB3-1 drilled during Phase I and two from boring SB3-5 drilled during Phase II. During Phase I sampling, toluene was detected in the soil sample collected from boring SB3-1

at the groundwater interface; this concentration should be considered as an estimate due to internal standards and surrogate recovery results, as shown in Table 3-4. The presence of toluene at the groundwater interface indicated that contamination may have migrated to the groundwater table. In the deep boring (SB3-5) drilled during Phase II activities to confirm the vertical extent of contamination, soil samples collected at 26 feet BGS and at the water table interface showed no evidence of organic contamination, even though the highest concentration of oil and grease and TPH were detected in the surface sample from this boring. This indicates that contamination has not migrated to the groundwater interface, because toluene, reported during Phase I, was not confirmed in the Phase II investigation.

Based on the analytical results from soil samples collected from the silty clay layer at Site 3, the contaminants are confined from the ground surface to 24.5 feet BGS. However, it appears that contamination resulting from activities at this site are predominantly in the top 4 feet of soil and coincide with the thickness of the sand and gravel layer. The contamination is mainly oil and grease, which tends to adsorb to the soil particles and is not easily transported by infiltering water. In addition, the aquifer at this site is overlain by 30 to 35 feet of dense clays, thus minimizing the potential for vertical migration of contamination. The dense clay layer begins from the end of the sand and gravel layer (i.e., from 5 feet BGS) and is present down to the groundwater table.

3.5.3 (mundwater Sampling Results

One groundwater monitoring well was installed downgradient from Site 3 during Phase I activities. A groundwater sample from this well was collected in August 1990 and analyzed for metals, TPH, VOCs, and SVOCs. The same well was resampled during Phase II and analyzed for the same parameters; in addition, the sample was analyzed for oil and grease. A replicate sample was collected during the Phase II sampling. The analytical results of the groundwater samples collected during Phases I and II are presented in Table 3-5.

Methylene chloride (at 5 μ g/L) was the only organic compound detected in the groundwater sample collected during Phase I at a concentration equal to the detection limit. The detected concentration should be considered as an estimate, and is insignificant because

methylene chloride also was detected in the associated trip blank sample. During the Phase II sampling, methylene chloride was again detected at 5 μ g/L, equal to the detection limit, but it also was detected in the method blank for that sample. Therefore, this concentration is not considered to be significant. Oil and grease were detected in the replicate sample at a low concentration (3 mg/L). Several metals were detected in the groundwater; arsenic, chromium, lead, and nickel were detected during the Phase II sampling, but only arsenic and lead were detected during the Phase I sampling.

As mentioned earlier, the concentrations of metals in site soils are below background levels. The same scenario presented earlier for Site 1 groundwater is applicable for Site 3 groundwater. The metals detected in the groundwater at the site at the detected levels are not considered to be entirely site related. Metals and inorganics detected in groundwater may have resulted from past agricultural practices (such as arsenic-based pesticide use) or the placement of fill material over the site containing metals and inorganics at concentrations great than local parent material. Metals tend to be adsorbed easily to soils and are not easily transported by infiltrating water. Based on site history, organics would more likely be detected in the soils, and in comparison to metals, some halogenated organics would more easily tend to be transported through the soil matrix. No organics were found in the water and only some organics at low concentrations were found in the site soils.

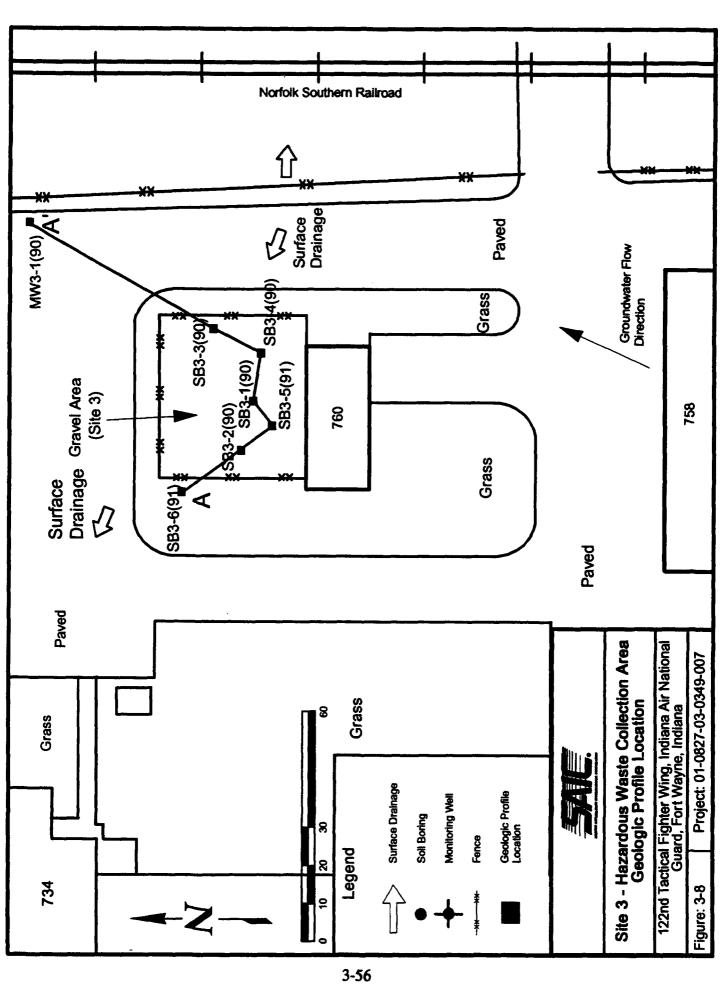
Based on an evaluation of the analytical results and a review of the site geology, the fraction of metals concentration that is due to site-related activities is considered minimal. The significance of the concentrations of metals detected in groundwater will be measured by comparison of the levels against ARARs.

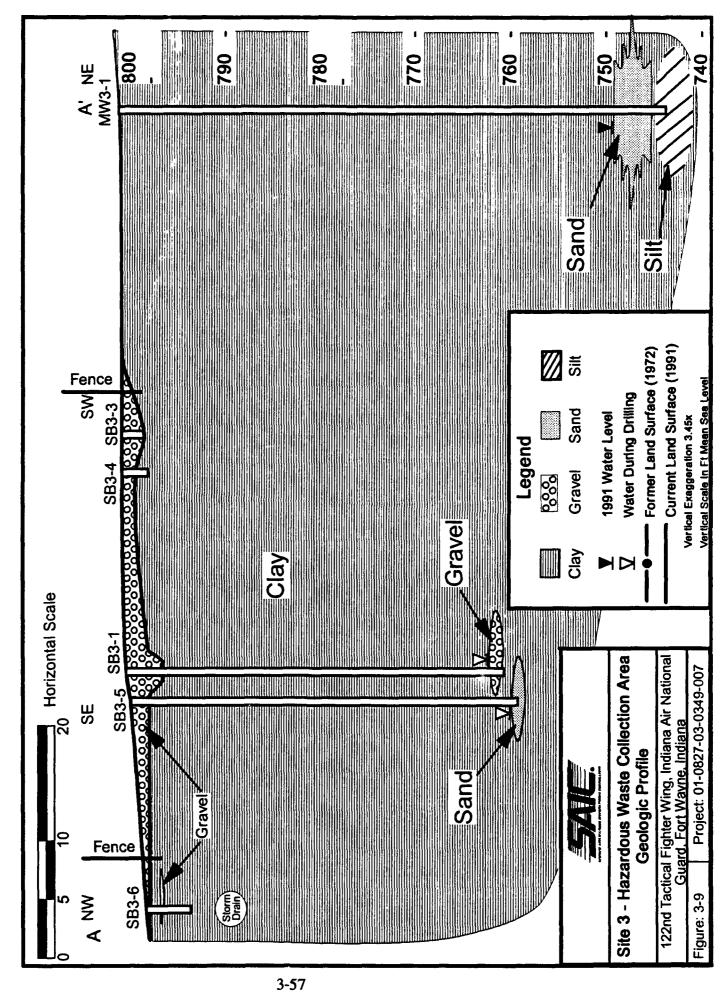
3.5.4 Summary and Extent of Soil and Groundwater Contamination

The following summarizes the nature and extent of contamination in soils and groundwater at Site 3:

• Several metals were detected in soil samples collected from the sand/gravel layer (top 5 feet of soil); except for arsenic detected in two samples, all metals were below background concentrations. Arsenic concentrations may have resulted from past agricultural practices such as the use of arsenic-based pesticides.

- TPH were detected at concentrations ranging from 1,500 to 7,700 mg/Kg in soil samples from the sand and gravel layer. Oil and grease was detected at similar concentrations, indicating that the TPH fraction was composed mainly of oil and grease.
- SVOCs were not detected in any soil samples collected during Phase I sampling. Bis(2-ethylhexyl)phthalate was the only SVOC detected in the sand and gravel layer during the Phase I sampling. However, this concentration is a one-time and one-sample occurrence, does not follow the general trend of SVOC contamination in site soils, and is not considered to be site related. SVOCs observed in offsite soils are not considered to be from contamination at the storage area.
- Some VOCs, were detected in soil samples from the sand and gravel layer during Phase I sampling. These compounds were not detected in samples collected during Phase II. The concentrations of VOCs have been significantly reduced through natural attenuation processes, such as biodegradation and volatilization.
- In the deeper soil samples collected from the silty clay layer, toluene was detected in one sample at the groundwater interface; however, VOC analyses for this sample was impacted due to interference in internal standards and surrogate recoveries. To confirm the presence of contamination at the groundwater interface, another deep boring was drilled during Phase II in the immediate vicinity of the deep boring installed during Phase I. No organics were detected in samples collected 26.5 feet BGS and at the groundwater interface.
- Soil contamination at Site 3 primarily consists of oil and grease. No organic contaminants were detected in soil samples from the sand and gravel layer and metals are present at background concentrations.
- Soil contamination at this site is confined to the fenced area that surrounds the location where drums and other items are stored. The contamination also is predominantly in the top 4 feet of soils, which coincides with the thickness of the sand and gravel layer.
- The overall significance of contamination at the site is minimal. However, the significance of soil contamination will be determined after a preliminary risk evaluation is conducted and impacts to public health and the environment are evaluated.
- No contaminants were detected in the groundwater, which indicates that even after years of storage use, contaminants have not migrated to groundwater. This is consistent with the conclusion made after Phase I that contamination is predominantly in the top 5 feet of soils and the clay layer greatly reduces vertical contaminant migration.





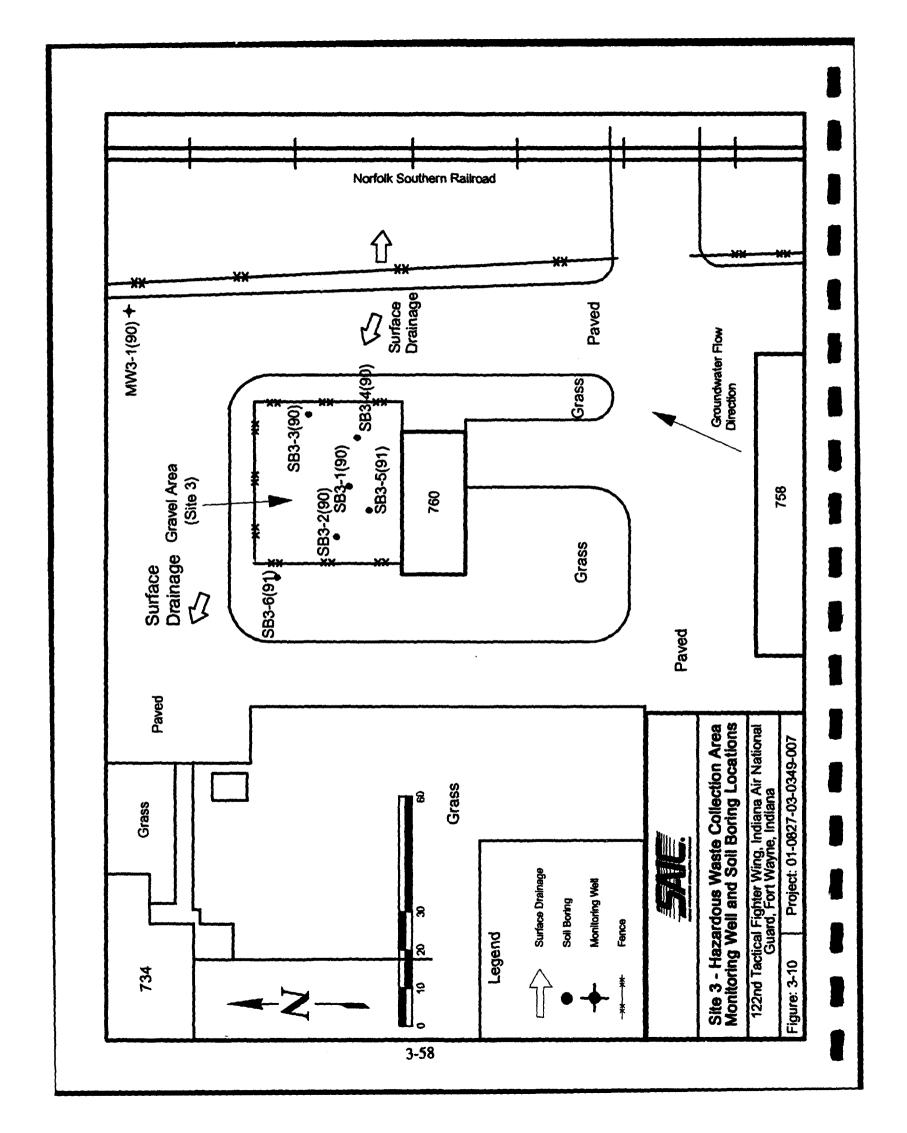


Table 3-4. Summary of Analytical Results for Soil Samples from Site 3 - Hazardous Waste Collection Area 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

		<u> </u>		r	i	
Sample No.	SB3-1-1	SB3-1-2	SB3-1-19	SB3-2-1	SB3-3-1	SB3-4-1
Depth (ft. BLS)	0-2	2-4	36-38	0-2	0-2	0-2
Sample Date	8/90	8/90	8/90	8/90	8/90	8/90
Matrix	Soil	Soil	Soil	Soil	Soil	Soil
Parameter				-		
Metals (mg/Kg)		NT				
Antimony	ND		ND	ND	ND	ND
Arsenic	1.3J(MB,N)		14.3J(N)	1.7J(N,MB)	20.7J(N)	11.5J(N)
Beryllium	ND		0.73	ND	0.98	0.91
Cadmium	ND		0.31J(MB,B)	ND	0.65J(MB)	0.23J(MB,B)
Chromium	2		8.6	2.8	11.7	10
Copper	19.3	•	24.1	17.4	26.5	31.4
Lead	6.2J(EB)		7.6J(EB)	3.7J(EB)	16.3	15.6
Mercury	0.02		ND	ND	0.03	ND
Nickel	1.7J(MB,B)		15.6J(MB)	1.6J(MB,B)	19.5	18.7
Thallium	ND		0.3J(B)	ND	0.37J(B)	0.58J(B)
Zinc	33.2J(FB)		208	4.6J(FB)	66.9J(FB)	64.5J(FB)
Total Petroleum						
Hydrocarbons (mg/Kg)	5,900J(HT)	ND	ND	ND	1,500J(HT)	3,000J(HT)
Volatile Organics (µg/Kg)						
Methylene Chloride	ND	ND	ND	14U(FB)	16U(TB)	84
Benzene	ND	6U(FP)	ND	ND	ND	ND
Toluene	38U(FB)	45U(FB)	100J(SSR,IS,FR)	ND	15U(FB)	91
Ethylbenzene	ND	16	ND	ND	ND	ND
Xylenes	ND	190	ND	ND	ND	140
4-methyl-2-pentanone	ND	34	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	70	820
2-Hexanone	ND	ND	ND	ND	ND	1,100
Semivolatile Organics (µg/Kg)	ND	ND		ND	ND	ND
Bis(2-ethylhexyl)phthalate			400J		<u></u>	

ND - Not Detected (with no accompanying data validation qualifiers); NT- Not Tested

J - Concentration should be considered as an estimate.

U - Compound/element was not detected, but is presented with accompanying data validation qualifier.

R - Data rejected.

Table 3-4. Summary of Analytical Results for Soil Samples from
Site 3 - Hazardous Waste Collection Area

122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana (Continued)

Sample No.	SB3-5-1	SB3-5-6	SB3-5-9	SB3-6-1	SB3-6-2
Depth (ft. BLS)	0-1.5	24.5-26	39.5-40	0-1.5	4-5.5
Sample Date	11/91	11/91	11/91	11/91	11/91
Matrix	Soil	Soil	Soil	Soil	Soil
Parameter					
Metals (mg/Kg)					
Arsenic	12.8J(N)	5.1J(N)	5.9J(N)	4.8J(N)	3.9J(N)
Beryllium	0.34J(B)	0.56J(B)	0.24J(B)	0.58J(B)	0.81J(B)
Cadmium	1.8J(FB)	2J(FB)	1.5J(FB)	2J(FB)	2.7
Chromium	9.4	18.3	6.5	15.3	23.1
Copper	26.2	23.9	18J(FB)	18.1	24.3
Lead	R(N)	R(N)	R(N)	R(N)	R(N)
Nickel	24.1	31.9	14.7	21.9	36.4
Selenium	ND	0.23	ND	ND	ND
Silver	ND	0.52	ND	ND	ND
Thallium	ND	ND	ND	ND	ND
Zinc	75.7	63.1	47.3	61.4	64.2
Total Petroleum Hydrocarbons					
(mg/Kg)	7,700	ND	ND	98	ND
Oil & Grease (mg/Kg)	7,300	ND	ND	ND	ND
Volatile Organics (µg/Kg)	ND	ND	ND	ND	ND
Semivolatile Organics (µg/Kg)					
Benzo(b)fluoranthene	ND	ND	ND	650	ND
Bis(2-ethylhexyl)	140	1412	1412	0.50	, ND
phthalate	2,400	ND	ND	240(J)	ND
Fluoranthene	2,400 ND	ND	ND	660	ND ND
Phenanthrene	ND	ND	ND	350	ND
Pyrene	ND	ND	ND	560	ND
1 71000	AD	ND		350	עוו

ND - Not Detected (with no accompanying data validation qualifiers); NT- Not Tested

J - Concentration should be considered as an estimate.

U - Compound/element was not detected, but is presented with accompanying data validation qualifier.

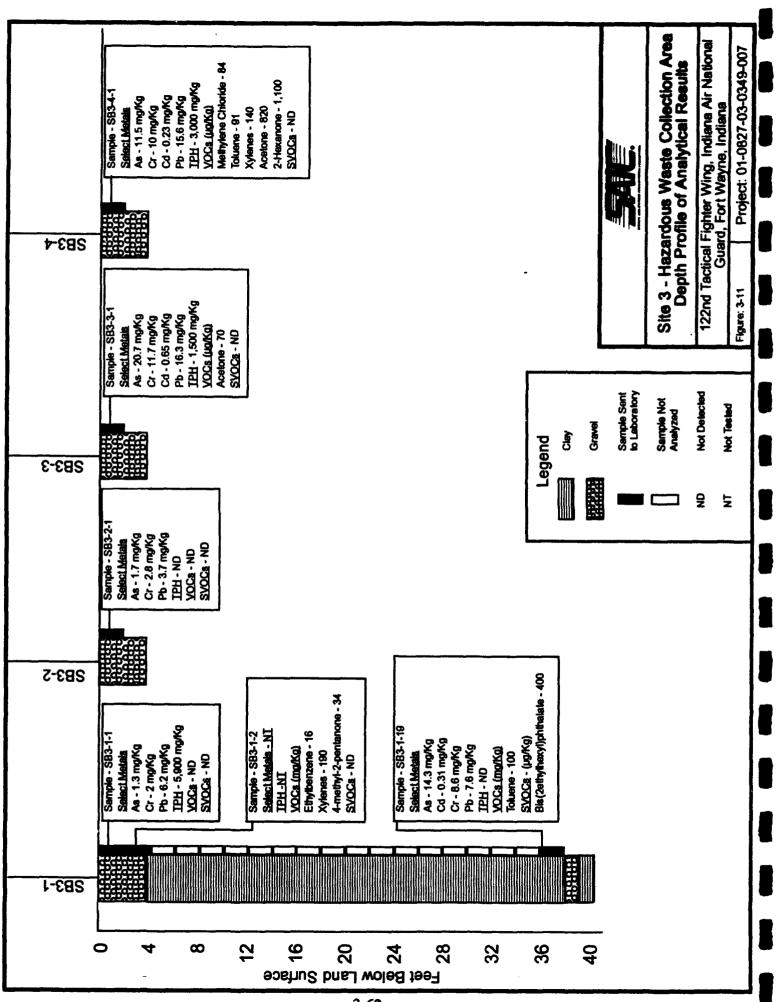
R - Data rejected.

List of Data Validation Qualifiers Applicable to Table 3-4

J(B)[metals] -	the reported value is estimated because it is greater than the instrument detection limit (IDL), but less than the contract required detection limit (CRDL).
J(MB) -	the reported value is estimated because the element also was detected in the associated laboratory method blank.
J(FB) [metals] -	the reported value is estimated because the element also was detected in the associated field blank.
J(EB) [metals] -	the reported value is estimated because the element also was detected in the associated equipment blank.
J(N) [metals] -	the reported value was estimated because spike recovery is outside the control limits.
J(*) [metals] -	the reported value was estimated because duplicate sample analysis is outside the control limits.
J(HT) -	concentration is estimated because the holding time was exceeded.
U(FB) -	the reported value is considered as nondetected because the compound also was detected in the associated field blank.
U(TB) -	the reported value is considered as nondetected because the compound also was detected in the associated trip blank.
J(IS) -	the reported value was estimated because internal standard area is outside the control limits.
J(SSR) -	the reported value was estimated because surrogate recovery is outside the required control limits.

R(N) [metal] - the reported value was rejected because spike recovery is outside the control

limits.



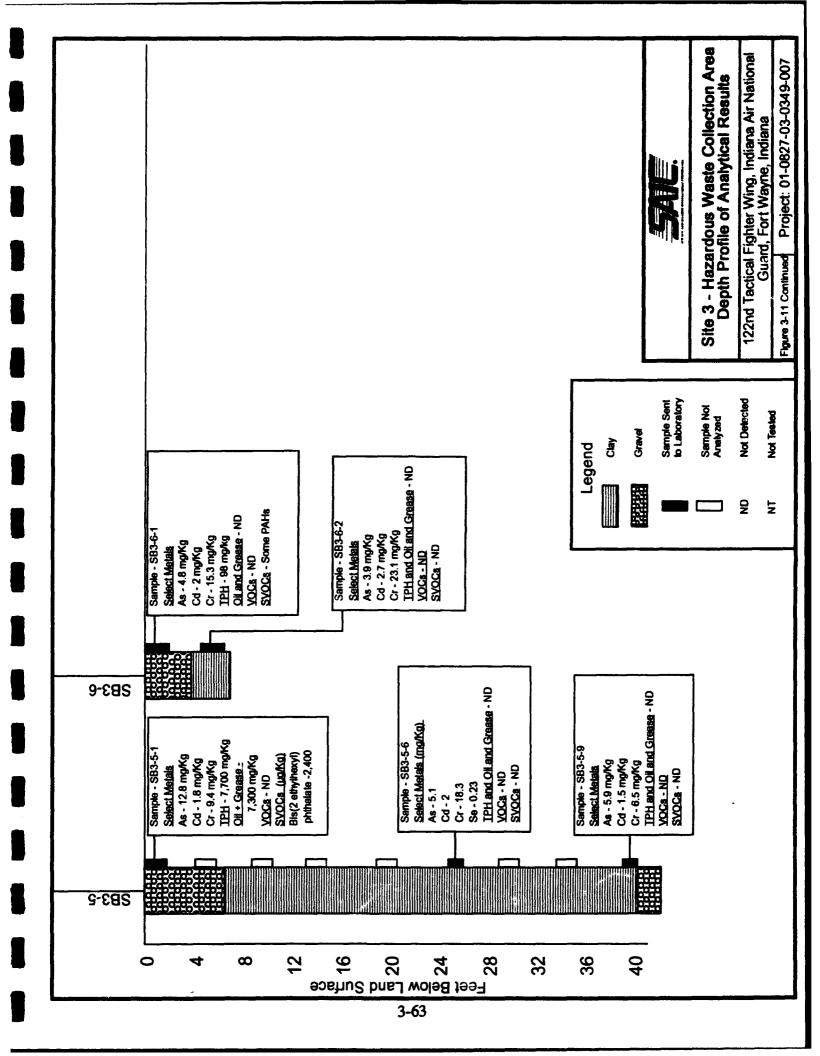


Table 3-5. Summary of Analytical Results for Groundwater Samples for
Site 3 - Hazardous Waste Collection Area

122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne Indiana

Sample No.	MW2-1	MW2-1	MW2-1R
Depth (ft. BLS)	-	_	
Sample Date	8/90	11/91	11/91
Matrix	Groundwater	Groundwater	Groundwater
Parameter			
Metals (mg/L)			
Arsenic Beryllium Chromium Copper Lead Nickel Zinc	6.3J(B) ND ND 22J(B) 27.9 ND 26J(FB)	24.8 1.8J(B) 69.1 82.3 43.4 76.8 179	23.3 1.5J(B) 60.2 74.9 39 68.4 165
Total Petroleum Hydrocarbons (mg/L)	ND	ND	ND
Oil & Grease (mg/L)	NT	ND	3
Volatile Organics (µg/L)			
Methylene Chloride	5U(TB)	ND	5U(MB)
Semivolatile Organics (µg/L)	ND	ND	ND

ND - Not Detected (with no accompanying data validation qualifiers); NT- Not Tested

J - Concentration should be considered as an estimate.

U - Compound/element was not detected, but is presented with accompanying data validation qualifier.

R - Data rejected.

List of Data Validation Qualifiers Applicable to Table 3-5

- J(B)[metals] the reported value is estimated because it is greater than the instrument detection limit (IDL), but less than the contract required detection limit (CRDL).
- J(FB) [metals] the reported value is estimated because the element also was detected in the associated field blank.
- U(MB) the reported value is considered as nondetected because the compound also was detected in the associated method blank.
- U(TB) the reported value is considered as nondetected because the compound also was detected in the associated trip blank.

3.6 SITE 4 - POL SPILL AREA

Site 4 - POL Spill Area is located in the northern portion of the Base (Figure 1-1). The POL system consisted of an underground storage tank (UST) system, including two USTs and associated pumps and piping. In 1968, a malfunction in the POL system resulted in a spill of 5,000 to 5,300 gallons of JP-4. From the POL facility, the spill ran into the woods and into an open storm drainage ditch. Approximately 200,000 gallons of water were used to flush the spilled JP-4 from the immediate POL area.

The focus of the Phase I and Phase II investigation at Site 4 was to determine the presence of any residual contamination remaining from the 1968 spill. Because any contamination results from a spill from an UST system, the response to the release will follows the guidelines established under 40 CFR Part 280.63; accordingly, information on the size and nature of the release must be assembled. The objective of the site assessment work at Site 4 was to comply with the Indiana Department of Environmental Management (IDEM), Office of Environmental Response (OER) UST regulations for response to a spill. The evaluation of data for Site 4 focused on presenting details of the site assessment work, sampling and analytical methods, and laboratory analytical results to comply with IDEM, OER requirements for UST system spills. This site characterization must be submitted to the IDEM, OER. The initial site characterization should contain the following items, at a minimum:

- 1. Data on the nature and estimated quantity of release.
- 2. Data from available sources or site investigations concerning the following factors:
 - Surrounding population and land use
 - Location and use of all groundwater wells within 1/4 mile
 - Subsurface soil characteristics
 - Location of nearby subsurface sewers
 - Location of surface water and drainage ditches within 1/4 mile
 - Depth to groundwater.
- 3. A short narrative of any sampling/cleanup work conducted at the site, which includes:
 - Results of all site soil and/or groundwater sampling and site assessment work
 - Description of sampling and analytical methods
 - Description of disposal methods for contaminated soil and/or groundwater.

4. Results of an investigation to determine the possible presence of free product and a description of measures taken to begin free product removal if free product is detected.

With respect to Item 1, an estimated 5,000 to 5,300 gallons of JP-4 fuel reportedly spilled from the UST system. Pertinent information required to comply with Item 2 is presented in Section 3.6.5.

The presentation of soil and groundwater sampling results for Site 4 follows the requirements of Item 3. Soil and groundwater sampling has been conducted at the site to determine the presence of residual contamination from the spill. The results and evaluation of the sampling effort is presented in the following sections. The residual contamination at the site is minimal and no cleanup actions are warranted based on available data. The only cleanup work that has been conducted in the past is the flushing that was performed with 200,000 gallons of water immediately after the spill occurred. In addition, the tanks were removed in 1981 and replaced with an aboveground system that complies with all regulations.

With respect to Item 4, no free product is present at the site. Almost all of the spilled JP-4 was flushed away with 200,000 gallons of water. Therefore, no free product investigation was conducted.

At Site 4, a till composed of clays and silts dominates the area from land surface to an approximate depth of 25 feet BGS. Sample SB4-1-4 (14.5 to 16.0 feet BGS), considered representative of Site 4 lithology, was collected for grain size analysis. Data results indicate the composition to be 51 percent clay, 31 percent silt, and 19 percent sand, as shown in Appendix H. The till is probably part of the Lagro Formation, which dominates the area where the Base is located. Tills in this formation are considered to have a low permeability, due to a clay content of 40 to 50 percent (Bleuer and Moore 1978).

3.6.1 Soil Gas Survey Results

A soil gas survey was conducted at Site 4 to help place the soil borings and monitoring wells. Twenty-five soil vapor samples and five water samples (isolated perched water pockets

existed at these sampling locations at the time of sampling) were collected and analyzed. Figure 3-12 presents the locations of the soil gas sampling points. Soil gas sample results are presented in Appendix A. Target compounds include BTEX and TPH, which were chosen because they are indicators of petroleum contamination.

In general, the highest concentrations of organic vapors were detected at stations L15, J15, and H16 in water extracted from 2 to 5 feet BGS and in soil vapor extracted at station J13. These locations correspond to the immediate vicinity of the pump shelter and the oil/water separator system. The results are probably due to current fueling operations within the POL facility and do not appear to represent the area that would have been impacted by the spill pathway. The remaining soil gas sample analyses did not detect the presence of the target compounds or indicated concentrations two to five orders of magnitude lower than those detected at stations L15, J15, J13, and J16. One exception is water sample J23, which is located downslope from the spill. Because organic vapors detected in this location may represent residual spill contaminants, a soil boring was drilled at this location during Phase I.

3.6.2 Soil Sampling Results

Eight soil borings were drilled at the spill site at the locations shown in Figure 3-13. Six of these borings were completed to a depth of 5 feet BGS. One boring (SB4-6) was drilled to 25.5 feet BGS and one boring (SB4-8) was drilled to 16 feet BGS. Soil borings SB4-1 through SB4-5 were drilled during Phase I and borings SB4-6 through SB4-8 were drilled during Phase II activities. Soil samples collected during Phase I were analyzed for metals, TPH, and SVOCs. Samples collected during Phase II at Site 4 were analyzed for TPH (as motor oil and diesel fuel), total lead, and BTEX compounds in accordance with the requirements of IDEM, UST Division. The analytical results for soil samples collected from Site 4 are presented in Table 3-6.

As shown in Table 3-6, TPH were detected in surficial samples (0 to 2 feet BGS) from borings SB4-2, SB4-3, and SB4-5; the deeper sample (3 to 5 feet BGS) from boring SB4-5 also contained TPH at a concentration of 64 mg/Kg. All of these samples were collected during Phase I of the SI. The concentrations of TPH in samples from soil collected during the Phase I activities are greater than the TPH concentrations detected during the Phase II activities, as discussed in the remainder of this section.

During Phase II of the SI, TPH were detected in surficial samples from boring SB4-7 at a concentration of 52 mg/Kg (40 mg/Kg as motor oil and 12 mg/Kg as diesel fuel). TPH were not detected in the deeper sample collected at 4 to 5 feet BGS from the same boring. Boring SB4-7 was drilled immediately next to boring SB4-2 and a comparison of results for TPH analyses indicates that natural attenuation processes may have reduced the concentration of TPH in the site soils observed in the Phase I samples.

Another possible reason for the lower TPH concentration observed during Phase II sampling is the change in analytical method used to measure TPH in the soil samples. Phase I samples were analyzed using Method E 418.1, while samples collected during Phase II were analyzed using Method 8015 (modified). In accordance with IDEM requirements, soil samples from an UST site should be analyzed for TPH using Method 8015. Analytical Method E 418.1 not only measures hydrocarbons related to petroleum hydrocarbons, but also hydrocarbons from all organic matter present in the samples. Therefore, vegetative matter (such as decaying leaves and twigs), which is abundantly present, harmless and easily biodegradable, would be measured using Method E 418.1. Because of this, TPH concentrations measured by Method E 418.1 are relatively higher than those concentrations measured by Method 8015. The latter method specifically measures petroleum hydrocarbons and, as indicated in Table 3-6, can differentiate between the motor oil and the diesel fuel fraction in petroleum hydrocarbons.

In boring SB4-6, drilled at the edge of the spill boundary and near a vehicle parking area, TPH were detected at low concentrations in surficial samples. The sample collected at 4 to 5.5 feet BGS did not show the presence of any TPH, but TPH were detected in the deeper sample collected at 24 to 25.5 feet BGS at a concentration of 248 mg/Kg. The results from the deeper sample are not consistent with what would be expected at a site contaminated with fuel-related products. The surface sample showed TPH contamination, but at 5 feet BGS these TPH were not detected. It seems likely that TPH observed in the deep sample are not site related. This is strengthened by the fact that the clay layer present from 5 feet BGS is sufficiently dense to retard vertical migration of contaminants (hydraulic conductivity of the clay is low: -10-5 to 10-9 cm/sec). TPH contamination in samples collected from boring SB4-8 follows the same scenario. No TPH were detected in the surficial sample and in the sample collected at 4.5 to 6 feet BGS,

yet the deeper sample from 14.5 to 16 feet BGS showed TPH at 43 mg/Kg. However, this concentration is still less than the IDEM guideline of 100 mg/Kg TPH. (Remediation of a site contaminated with fuel products is dictated in a general case by the concentrations of TPH detected in the contaminated media. If TPH are above 100 mg/Kg, remediation could be warranted. However, actual concentrations and the decision to remediate are based on a site-specific basis.)

Some SVOCs, principally PAHs, were detected in samples from borings SB4-1, SB4-2, and SB4-5. All three of these borings are located in close proximity to Building 356, where a large coal storage pile once existed. Burlington Northern used the coal from the storage pile in their rail cars. Therefore, the presence of PAHs in the vicinity of the coal pile would be expected given that PAHs are products of combustion and typically are found in this type of area.

Ethylbenzene, xylenes, styrene and toluene were detected in soil samples from boring SB4-6. The surficial sample (0 to 2 feet BGS) had the highest concentration of BTEX compounds as shown in Table 3-6. The topography of the area at the time of the spill was such that any surface runoff from Building 354 would most likely flow northeast toward the wooded area and beyond into drainage ditches. The presence of BTEX compounds in the surficial sample is most likely from vehicle emissions in the parking area located adjacent to boring SB4-6.

3.6.3 Sediment Sampling Results

The analytical results for sediment samples from Site 4 are shown in Table 3-7. Two sediment samples (SD4-1 and SD4-2) were collected during Phase I from a drainage ditch well beyond the spill site. Runoff from the western portion of the Base, including Buildings 300, 301, 307, and 798, also flow down into the same drainage ditch from where the samples were collected. TPH were detected in both sediment samples collected during Phase I (1,400 mg/Kg in SD4-1 and 880 mg/Kg in SD4-2). No SVOCs were detected in the sediment samples and metals concentrations were within background levels. During Phase II, two additional sediment samples were collected, one in the immediate vicinity of the site (SD4-3) and one further downgradient (SD4-4) where the Phase I sediment samples were collected. The TPH (as motor

oil) concentration in both the samples was 17 mg/Kg. Only acetone was detected among the VOCs in both sediment samples.

The results of the Phase II sampling show that TPH are present at low concentrations (17 mg/Kg) in the immediate vicinity of the site, and further downgradient the concentrations of TPH are well below the TPH guideline of 100 mg/Kg. The high concentration of TPH observed during Phase I in the same drainage area has either dissipated to the low levels observed during Phase II activities, or was from a one-time occurrence in surface runoff from other buildings and areas that flow into the same drainage path. The use of Method 8015 for analysis of TPH for Phase II samples as opposed to E 418.1 for Phase I samples could be another reason for the reduction in TPH concentration.

3.6.4 Groundwater Sampling Results

To determine if contamination from the fuel spill had migrated vertically and impacted the groundwater resource, two monitoring wells and one piezometer installed at the site were sampled and analyzed for appropriate parameters. The locations of the monitoring wells and piezometers at Site 4 are shown in Figure 3-13. Monitoring well MW4-2 and piezometer P-1 are immediately downgradient from the spill site. The results of groundwater analyses are presented in Table 3-8. The sample collected during Phase I was analyzed for metals, TPH, VOC, and SVOCs. The sample collected during Phase II was analyzed for total lead, TPH (as motor oil and diesel fuel), and VOCs.

Monitoring wells MW4-1 and MW4-2 and piezometer P-1 were sampled during Phase II. During Phase I activities, MW4-1 could not be sampled because the water level in the well was not recovering sufficiently for samples to be collected. Several attempts were made before a decision was made to abandon sampling of the well. Therefore, piezometer P-2, located approximately 130 feet downgradient from MW4-1, was sampled instead.

As Table 3-8 shows, no contaminants were detected in groundwater samples. In the samples collected during Phase I, no TPH, VOCs, or SVOCs were detected in groundwater; some metals were detected, but they are not considered to be significant because they are below

the maximum contaminant level (MCL) for the respective metals. Samples collected during Phase II did not show any BTEX compounds, and only TPH (as diesel fuel) at 0.52 mg/L was detected in the sample from piezometer P-1.

Lead was detected at 229 μ g/L in sample MW4-1 collected during Phase II, but was detected at only 10.2 μ g/L in sample MW4-2. Although not directly upgradient from the spill site, MW4-1 is located laterally northwest of the site. The groundwater flow direction at the site is in a northeasterly direction. Although some impacts of the spill could be expected in MW4-1, they would be less than the impacts detected in the downgradient wells. The conclusion that lead detected in well MW4-1 is from a source not related to the spill at Site 4 is based on the following:

- Wells MW4-2 and P-1 are located directly downgradient and downslope from the Site 4 spill and are better positioned to detect the site-related groundwater contaminants than MW4-1 (which is nearly upgradient of the spill). However, lead was detected at only $10.2 \mu g/L$ in MW4-2 and not detected in P-1.
- Other sources for lead contamination in groundwater from MW4-1 may include runoff from the adjacent asphalt-paved road, exhaust from vehicle or aircraft traffic, or a small unreported fuel spill on the road.

The concentration in monitoring well MW4-2 is consistent with the levels observed in other groundwater samples collected during Phases I and II. The results of the groundwater analyses clearly show that groundwater has not been impacted; this evaluation and conclusion is also consistent with what has been observed in the site soils (Section 3.6).

3.6.5 Pertinent Information Required for UST System Release Response

The following summarizes pertinent information required to be assembled for site characterization in response to a leak from an UST system, as mandated under 40 CFR Part 280.63:

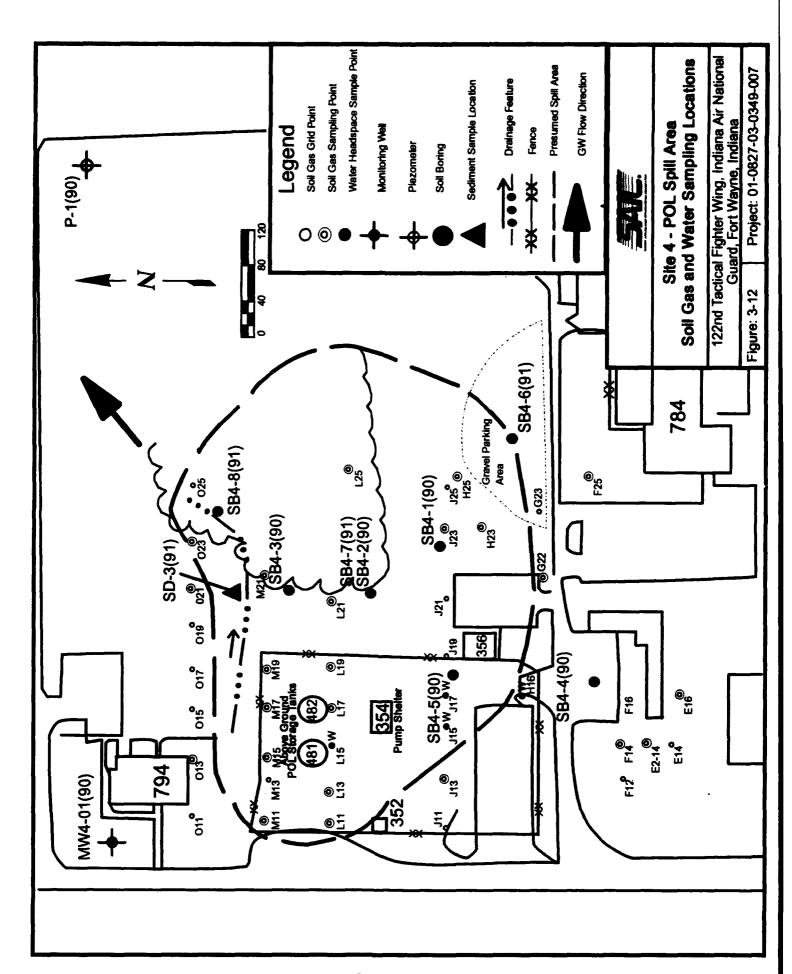
Surrounding population and land use: No permanent residence is located within 1,400 feet of the site. South of the Base, the land use is mostly agricultural; north and east of the Base the use is predominantly commercial. The Fort Wayne Municipal Airport is located immediately west of the Base. Therefore, within a 1-mile radius of the Base, land use is mostly commercial and agricultural.

- Locations and use of all groundwater wells within 1/4 mile: No groundwater wells are located within 1/4 mile of any of the sites. The nearest well from Site 4 is 3,500 feet from the site (HMTC 1988).
- Subsurface soil characteristics: From land surface to approximately 30 feet BGS, the soils are mostly clay; typically, the soils are composed of 50 percent clay, 30 percent silt, and 20 percent fine sands. Few small sand and gravel lenses are present near the water table. The estimated permeability of the soils at this site is 1.4 x 10⁴ to 5.6 x 10⁴ cm/sec.
- Locations of nearby subsurface sewers: A storm drain is located approximately 200 feet south of Site 4.
- Locations of surface water and drainage ditches within 1/4 mile: No surface water resource is located within ¼-mile of the site. The nearest surface water body is Harber Ditch, located approximately 2,000 to 5,000 feet east of the Base from Site 4.
- Depth to groundwater: Groundwater is 45 to 50 feet BGS at Site 4.

3.6.6 Summary and Extent of Contamination

The analytical results of soil samples collected from Site 4 show that minimal residual contamination remains from the 1968 spill. Some areas of contamination exist that could be attributed to other sources, such as the former coal pile, the oil/water separator, and the vehicle parking area located close to boring SB4-6. In other areas, the concentration of TPH were found to be less than 100 mg/kg (the guideline that is typically used by the IDEM to justify cleanup actions). Actual concentration of TPH and the decision to remediate are, however, typically based on a site-specific basis. Sediment samples collected from drainage pathways in the immediate vicinity of the site and further downgradient showed that concentration of TPH are below 100 mg/kg. Groundwater samples collected from the site showed that there are no site-related contaminants present in the groundwater; this is also consistent with what has been observed in the site soils. In general, TPH concentration in samples collected during Phase II activities were found to be lower than those collected during Phase I activities. One reason for this discrepancy may be the different method used to detect TPH. During Phase I activities, Method E418.1 was used while Method 8015 was used to detect TPH during Phase II activities. As explained earlier, Method E418.1 measures all hydrocarbons from all organic matter present in the samples. The hydrocarbons related to petroleum products constitute a portion of the total hydrocarbons. Therefore, TPH results from Method E418.1 tend to be slightly higher than that measured by Method 8015 which detects only those hydrocarbons that constitute the fraction related to petroleum products. The overall significance of the detected contamination at this site can be considered minimal for the following reasons:

- The aquifer at this site, as at other sites, is overlain by 30 to 35 feet of dense clays, minimizing the potential for vertical migration of contaminants.
- Access to the site is limited; therefore, exposure for the general public to any surficial contaminants would be minimal. Base personnel working in the area follow appropriate procedures required for conducting operations at a fuel storage site. These procedures also would prevent exposure to site surface soils.
- Based on available information, the contamination at this site is the result of a spill that occurred in 1968. Remedial actions that were implemented at that time consisted of flushing the spill with 200,000 gallons of water. Since that spill, the former UST system has been replaced by an aboveground system designed in accordance with regulatory requirements.



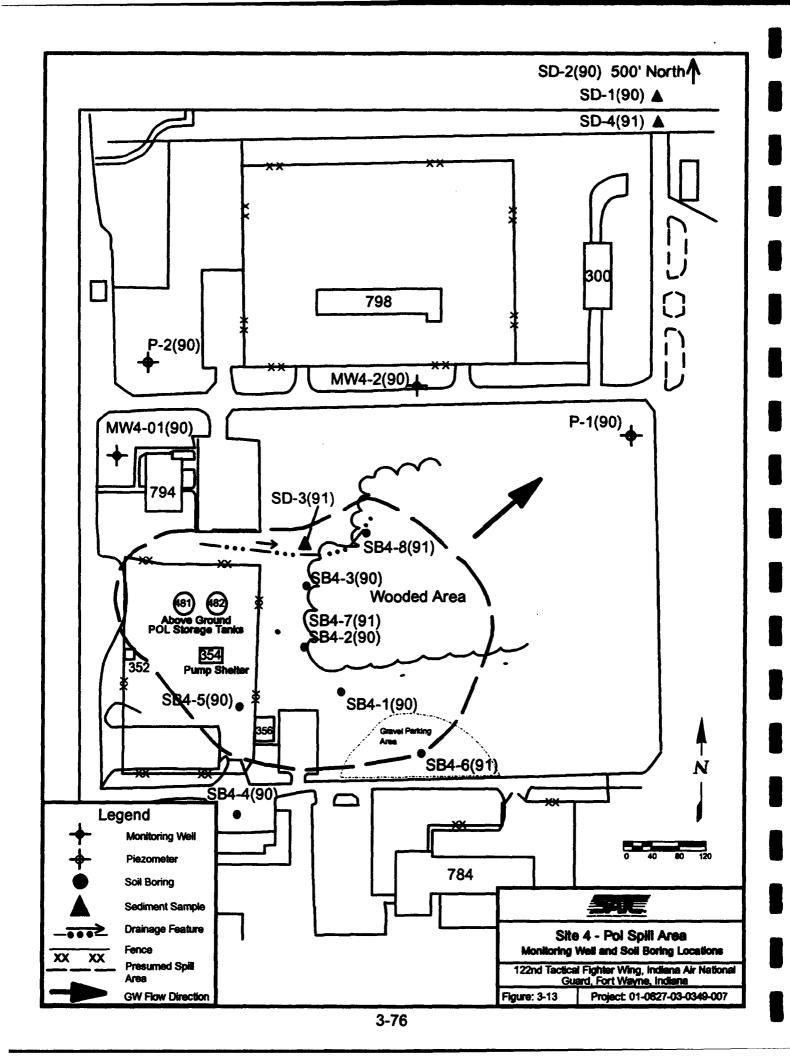


Table 3-6. Summary of Analytical Results for Soil Samples from Site 4 - POL Spill Area

122nd Tactical Fighter Wing, Indiana Air National Guard Fort Wayne, Indiana

		ana a -		274.6	2D4.0
Sample No.	SB4-1-1	SB4-1-2	SB4-2-1	SB4-2-2	SB4-3-1
Depth (ft. BLS)	0-2	3-5	0-2	3-5	0-2
Sample Date	8/90	8/90	8/90	8/90	8/90
Matrix	Soil	Soil	Soil	Soil	Soil
Parameter					
Metals (mg/Kg)		-	·		
Arsenic	8.4J(N)	11.1 J(N)	10.9J(N)	9.8J(N)	9.7J(N)
Beryllium	1.2	2.1	1.7	1.9	1.9
Cadmium	0.36J(MB,B)	ND	0.36J(MB,B)	0.24J(MB,B)	0.45J(MB,B)
Chromium	7.7	29.6	21.6	22.3	25.3
Copper	54.8	22.6	28.8	29.6	16.7
Lead	14.1	9.4	11.7	10.5	13.6
Mercury	0.04	0.03	0.09	0.03	0.04
Nickel	11.2J(MB)	21.3	23.4	32.3	24.9
Selenium	0.39J(B)	0.33J(B)	ND	ND	0.38(B)
Thallium	0.49J(B)	0.47J(B)	0.28J(B)	ND	ND
Zinc	22.0J(FB)	66.7J(FB)	66.0J(FB)	66.8J(FB)	77.1J(FB)
Total Petroleum Hydrocarbons (mg/Kg. <u>Using Method E418.1</u>)	ND	ND	1,500J(HT)	ND	520J(HT)
Volatile Organics (µg/Kg)	NT	NT	NT	NT	NT
Semivolatile Organics (µg/Kg)		ND			ND
Naphthalene	290(J)	ND	ND	ND	ND
2-methylnaphthalene	360(J)	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	380(J)	ND
Benzo(a)pyrene	240(J)	ND	280(J)	590	ND
Benzo(b)fluoranthene	370(J)	ND	280(J)	520	ND
Benzo(k)fluoranthene	350(J)	ND	360(J)	830	ND
Benzo(g,h,i)perylene	ND	ND	230(J)	540	ND
Chrysene	380(J)	ND	ND	400	ND
Fluoranthene	660	ND	ND	520	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	410	ND
Phenanthrene	720	ND	ND	300(J)	ND
Pyrene	600	ND	ND	480	ND
			<u> </u>		

ND - Not Detected (with no accompanying data validation qualifiers); NT- Not Tested

J - Concentration should be considered as an estimate.

U - Compound/element was not detected, but is presented with accompanying data validation qualifier.

R - Data rejected.

Table 3-6. Summary of Analytical Results for Soil Samples from Site 4 - POL Spill Area

122nd Tactical Fighter Wing, Indiana Air National Guard Fort Wayne, Indiana (Continued)

Sample No.	SB4-3-2	SB4-4-1	SB4-4-2	SB4-5-1	SB4-5-2
Depth (ft. BLS)	3-5	0-2	3-5	0-2	3-5
Sample Date	8/90	8/90	8/90	8/90	8/90
Matrix	Soil	Soil	Soil	Soil	Soil
Parameter					
Metals (mg/Kg)					
Arsenic	11.4J(N)	10.8J(N)	8.2J(N)	2.8J(N)	7.0J(N)
Beryllium	1.9	1.1	1.4	0.25J(B)	1.6
Cadmium	ND	0.21J(MB,B)	0.49J(MB)	ND	0.28J(MB,B)
Chromium	28.3	13.1	16.9	5.4	21.2
Copper	28	16.9	31.3	16.1	27.4
Lead	14.5	25.6	10.4	11	10.8
Mercury	0.04	0.02	ND	0.03	ND
Nickel	36.9	14.5J(MB)	31.5	9.2J(MB)	28.6
Selenium	ND	0.45J(B)	0.52J(B)	0.36J(B)	ND
Thallium	0.38J(B)	ND	ND	ND	ND
Zinc	87J(FB)	51.2J(FB)	66.7J(FB)	13.8J(FB)	55.3J(FB)
Total Petroleum Hydrocarbons(mg/Kg, Using Method E418.1)	ND	ND	ND	180J(HT)	64J(HT)
Volatile Organics (µg/Kg)	NT	NT	NT	NT	NT
Semivolatile Organics (µg/Kg)	ND	ND	ND		ND
Naphthalene Dibenzofuran				1,800 280(J)	

ND - Not Detected (with no accompanying data validation qualifiers); NT- Not Tested

J - Concentration should be considered as an estimate.

U - Compound/element was not detected, but is presented with accompanying data validation qualifier.

R - Data rejected.

Table 3-6. Summary of Analytical Results for Soil Samples from Site 4 - POL Spill Area

122nd Tactical Fighter Wing, Indiana Air National Guard Fort Wayne, Indiana (Continued)

Sample No.	SB4-6-1	SB4-6-2	SB4-6-6	SB4-7-1	SB4-7-2
Depth (ft. BLS)	0-2	4-5.5	24-25.5	0-2	4-5
Sample Date	11/91	11/91	11/91	11/91	11/91
Matrix	Soil	Soil	Soil	Soil	Soil
Parameter					
Metals (mg/Kg)					
Arsenic Lead	3.6J(N) R(N)	7.1J(N) R(N)	4.6J(N) R(N)	6.5J(N) R(N)	6.3J(N) R(N)
Total Petroleum Hydrocarbons (mg/Kg. Using Method 8015)	15.9	ND	248	52	ND
	11	ND	150	40	ND
As Motor Oil As Diesel	4.9	ND	98	12	ND
Volatile Organics (µg/Kg)					
Ethylbenzene	210	ND	ND	ND	ND
m-p-xylenes	110	ND	ND	ND	ND
Styrene	84	ND	ND	ND	ND
Toluene	ND	0.7	1.6	ND	3.5
Semivolatile Organics (µg/Kg)	NT	NŢ	NT	NT	NT

ND - Not Detected (with no accompanying data validation qualifiers); NT- Not Tested

J - Concentration should be considered as an estimate.

U - Compound/element was not detected, but is presented with accompanying data validation qualifier.

R - Data rejected.

Table 3-6. Summary of Analytical Results for Soil Samples from Site 4 - POL Spill Area

122nd Tactical Fighter Wing, Indiana Air National Guard Fort Wayne, Indiana (Continued)

Sample No.	SB4-8-1	SB4-8-2	SB4-8-4
Depth (ft. BLS)	0-1.5	4.5-6	14.5-16
Sample Date	11/91	11/91	11/91
Matrix	Soil	Soil	Soil
Parameter			
Metals (mg/Kg)			
Lead	19.3J(*)	11.7J(*)	10.1J(*)
Total Petroleum Hydrocarbons (mg/Kg, Using Method 8015)	ND	ND	43
	ND	ND	27
As Motor Oil As Diesel	ND	ND	16
Volatile Organics (µg/Kg)			
Toluene	ND	0.98	ND
Semivolatile Organics (µg/Kg)	NT	NT	NT

ND - Not Detected (with no accompanying data validation qualifiers); NT- Not Tested

J - Concentration should be considered as an estimate.

U - Compound/element was not detected, but is presented with accompanying data validation qualifier.

R - Data rejected.

List of Data Validation Qualifiers Applicable to Table 3-6

- J(B)[metals] the reported value is estimated because it is greater than the instrument detection limit (IDL), but less than the contract required detection limit (CRDL).
- J(MB) the reported value is estimated because the element also was detected in the associated laboratory method blank.
- J(FB) [metals] the reported value is estimated because the element also was detected in the associated field blank.
- J(EB) [metals] the reported value is estimated because the element also was detected in the associated equipment blank.
- J(N) [metals] the reported value was estimated because spike recovery is outside the control limits.
- J(*) [metals] the reported value was estimated because duplicate sample analysis is outside the control limits.
- J(HT) concentration is estimated because the holding time was exceeded.
- R(N) [metal] the reported value was rejected because spike recovery is outside the control limits.

Table 3-7. Summary of Analytical Results for Sediment Samples from
Site 4 - POL Spill Area

122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

Sample No.	SD4-1	SD4-2	SD4-3	SD4-4
Depth (ft. BLS)	Surficial	Surficial	Surficial	Surficial
Sample Date	8/90	8/90	11/91	11/91
Matrix	Sediment	Sediment	Sediment	Sediment
Parameter				
Metals (mg/Kg)				
Arsenic	11.0J(N)	9.6J(N)		
Beryllium	1.7	2.0		
Cadmium	0.22J(MB,B)	0.35J(MB,B)		
Chromium	20.9	19.3		
Copper	31.1	28.1		
Lead	13.8	20.4	39.3J(*)	7.4J(*)
Mercury	ND	0.04		
Nickel	33.7	26.1		
Thallium	0.27J(B)	0.3J(B))
Zinc	73.9	71.3		
Total Petroleum Hydrocarbons				-
(mg/Kg)*	1,400J(HT)	880J(HT)	17	17
As Motor Oil			17	17
As Diesel			ND	ND
Volatile Organics (µg/Kg)	NT	NT		
Acetone		!	290	280
Semivolatile Organics (µg/Kg)	ND	ND	NT	NT

ND - Not Detected (with no accompanying data validation qualifiers); NT- Not Tested

J - Concentration should be considered as an estimate.

U - Compound/element was not detected, but is presented with accompanying data validation qualifier.

R - Data rejected.

^{* -} TPH were detected using Method E418.1 for samples SD4-1 and SD4-2, and Method 8015 for samples SD4-3 and SD4-4

List of Data Validation Qualifiers Applicable to Table 3-7

- J(B)[metals] the reported value is estimated because it is greater than the instrument detection limit (IDL), but less than the contract required detection limit (CRDL).
- J(MB) the reported value is estimated because the element also was detected in the associated laboratory method blank.
- J(N) [metals] the reported value was estimated because spike recovery is outside the control limits.
- J(*) [metals] the reported value was estimated because duplicate sample analysis is outside the control limits.
- J(HT) concentration is estimated because the holding time was exceeded.

Table 3-8. Summary of Analytical Results for Groundwater Samples from
Site 4 - POL Spill Area
122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne Indiana

Sample No.	P-2	MW4-2	MW4-1	MW4-2	P-1
Depth (ft. BLS)				-	•••
Sample Date	8/90	8/90	11/91	11/91	11/91
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Parameter					
Metals (mg/L)					
Arsenic Copper Lead Nickel Zinc Total Petroleum Hydrocarbons (mg/L) As Motor Oil	3J(B) 43 10.5J(EB) 32J(MB,B) 25J(FB) ND	3.3J(MB,B) 27 29.4J(EB) 16J(MB,B) 32J(FB) ND	NT NT 229 NT NT ND	NT NT 10.2 NT NT NT	NT NT 10.6 NT NT 0.52
As Diesel			ND	ND	0.52
Volatile Organics (µg/L)		_	ND	ND	ND
Methylene Chloride	5U(TB)	5U(TB)			
Semivolatile Organics (μg/L)	ND	ND	NT	NT	NT

ND - Not Detected (with no accompanying data validation qualifiers); NT- Not Tested

J - Concentration should be considered as an estimate.

U - Compound/element was not detected, but is presented with accompanying data validation qualifier.

R - Data rejected.

^{* -} TPH were detected using Method E 418.1 for samples collected in 8/90, and Method 8015 for samples collected in 11/91

List of Data Validation Qualifiers Applicable to Table 3-8

- J(B)[metals] the reported value is estimated because it is greater than the instrument detection limit (IDL), but less than the contract required detection limit (CRDL).
- J(MB) the reported value is estimated because the element also was detected in the associated laboratory method blank.
- J(FB) [metals] the reported value is estimated because the element also was detected in the associated field blank.
- J(EB) [metals] the reported value is estimated because the element also was detected in the associated equipment blank.
- U(TB) the reported value is considered as nondetected because the compound also was detected in the associated trip blank.

4. PUBLIC HEALTH RISK EVALUATION

4.1 INTRODUCTION

As part of the Site Inspection (SI) at Indiana Air National Guard Base (ANGB), a preliminary human health risk evaluation was conducted to evaluate risks of exposure to chemicals present at, or released from, the waste sites at the Base. A risk evaluation was performed for contaminants at the following sites:

- Site 1 Former Fire Training Area (FTA)
- Site 3 Hazardous Waste Collection Area (HWCA).

A preliminary risk evaluation has not been performed for Site 4. Because contamination at this site is a result of residue from a fuel spill, the response to the release will follow IDEM, OER UST System guidelines. Accordingly, investigations have been performed to develop data on environmental receptors and the potential exposure pathways of concern. This information was presented earlier in Section 3 and complies with IDEM, OER requirements.

An examination of potential human health risks due to exposure to site-related contaminants conducted during the SI process helped to determine the need for further investigations at the sites. This evaluation assesses the potential for adverse noncarcinogenic and carcinogenic effects following long-term or chronic exposure to site-related contaminants. The risk evaluation also incorporates comparison of sampling data with applicable or relevant and appropriate Federal and state requirements (ARARs). This evaluation, conducted as part of the SI at Indiana ANGB, is a preliminary evaluation and as such is not designed to be as comprehensive as that required for remedial investigation (i.e., baseline risk assessment). A brief discussion of ecological risks (i.e., nonhuman receptors) also has been included.

A risk evaluation is used as a decisionmaking tool for selecting appropriate remedial alternatives. Although exposure to humans may be negligible or even nonexistent, risk evaluation based on current and future land use activities, and other site-specific information,

may still be warranted to project potential risks to human health and to provide a useful measure of the magnitude or significance of site contamination.

4.2 DATA COLLECTION AND EVALUATION

This section evaluates the results of sampling and analysis of environmental media conducted at Site 1 - Former FTA and Site 3 - HWCA at Indiana ANGB for use in the preliminary public health risk evaluation. Analytical data from Phases I and II of the SI were validated using quality assurance/quality control (QA/QC) protocols and used to prepare summary statistics of the results. The summary tables provide information on frequency of detection; the minimum, maximum, and arithmetic mean concentrations of chemicals in environmental media at each site; and background concentrations.

4.2.1 Chemicals in Soil

The results of sampling activities and chemical analysis of soil samples obtained from Sites 1 and 3 have been described in detail in Section 3. Section 3 presents characteristics of the nature and extent of contamination, and compares chemical concentrations to background concentrations. A statistical analysis was performed to determine whether contaminant concentrations in site samples exceeded levels expected in the background soils. Site-related contamination may exist if chemical concentrations exceed levels expected in the background. Background levels are defined as chemical concentrations that would be expected in the absence of site-related disposal activities. A statistical approach for determining evidence of site-related contamination is to define background Upper Tolerance Limits (Tu) for each contaminant of potential concern, and to compare the Tu to chemical concentrations found at the site.

The Tu is an estimate of the proportion of background samples for each chemical that would be expected to be below an upper 95 percentile value 95 percent of the time if the Tu were repeatedly estimated. The selected comparison means, therefore, that there is a 95 percent probability (5 percent chance of false positive estimates) that the site sample data are less than the 95 percentile background Tu estimates.

The sample data for both chemicals of potential concern were assumed to be lognormally distributed, so to maintain comparability both background and site sample data were lognormally transformed. Upper Tolerance Limits were compared to the maximum sample result for each chemical of potential concern within each respective sampled area at Sites 1, 3, and 4. The results of this comparability exercise are shown in Table 4-1. In each case, the maximum detected site sample concentration fell below the background Tu, indicating that there is no statistical evidence of site-related contamination for these substances.

Based on the available information, the observed levels of metals in soils do not appear to be entirely site related, and could be partially from other sources at the Base. The presence of organic chemicals, however, can be attributed to activities at the sites.

During Phases I and II of the SI at Site 1, seven samples were collected from surficial soils (i.e., 0 to 2 feet below ground surface [BGS]). In addition, 35 subsurface soil samples were collected from Site 1. At Site 3, 11 soil samples were collected during the two phases of the investigation, including 6 surface samples from 0 to 2 feet BGS, 2 samples from 2 to 6 feet BGS, and 3 samples at varying depths from 6 to 40 feet BGS.

All chemicals positively identified in soil samples at Sites 1 and 3 have been included in the preliminary risk evaluation. Indicator chemicals were not used in the risk evaluation. The U.S. Environmental Protection Agency (EPA) notes that the use of indicator chemicals may facilitate the risk assessment process when dozens of compounds have been identified at a waste site, and time and resources prohibit the evaluation of the full (and often complex) data set (EPA 1989a). However, there is nothing inherent in the indicator selection process that improves the characterization of risk to human health or the environment. EPA does not recommend eliminating chemicals from the risk assessment based upon their presence in background samples (EPA 1989a).

Formally promulgated Federal and state ARARs for soil are not currently available. Therefore, ARAR comparison for soil has not been included in the preliminary evaluation of Indiana ANGB sites.

Table 4-1. Comparison of Background Soils and Site-Specific Soil Concentrations for Selected Chemical of Potential Concern 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

ANALYTE	NUMBER	BACKG	ROUND SAMI (Base lognormal) (in)	BACKGROUND SAMPLES (Base lognormal) (ln)	LOGNORMAL	COMPARISON	CONCLUSION
	OF SITE SAMPLES	NUMBER OF BACKGROUND SAMPLES	×	Tu≈X+Ks	MAXIMUM SITE CONCENTRATION		
STE 1							
Arsenic	22	7	1.799	4.23	2.5	2.5<4.23	-maximum site concentrations are less than background
Benzo-(a)pyrene	98	6	5.47	7.259	99.99	6.685<7.259	no statistical evidence of site related contamination -maximum site concentrations are less than background no statistical evidence of site related contamination
зпв з							
Arsenic	10	7	1.799	4.23	3.03	3.03<4.23	-maximum site concentrations are less than background
Benzo-(a)pyrene	10	6	5.47	7.259	None Detected	Ϋ́Z	no statistical evidence of site related contamination NA
STB 4							
Arsenic	12	7	1.799	4.23	2.43	2.43<4.23	-maximum site concentrations are less than beckground
Benzo-(a)pyrene	12	6	5.47	7.259	6.38	6.38<7.259	no statutical evidence of site related contamination -maximum site concentrations are less than bedground so statistical evidence of site related contamination

X - Mean Concentration
 Tu - Upper Tolerance Limit
 s - Relative Standard Deviation

K – Constant from Table A.3 "Methods for Evaluating the Attainment of Cleanup Standards – Volume 1 Soils and Solid Media".

4.2.2 Chemicals in Groundwater

Sections 1 and 3 of this report discussed the groundwater sampling conducted at Sites 1 and 3. Details on the locations of monitoring wells also are presented in Section 3.

The results of sampling and analysis of groundwater from Sites 1 and 3 indicate that site-related chemicals are not being transported to the groundwater. This may partially be attributed to the presence of relatively impermeable subsurface soils (clay material) at the site. The groundwater resource at the site is not a source of potable water for the Base or the city municipal water supply. As such, there is no exposure of Base personnel or the surrounding community to site-related chemicals by the groundwater pathway. In addition, the groundwater quality at the site is not suitable for potable water, and future use of groundwater from the site as a source of drinking water for the Base is not anticipated. Given the above information, a quantitative characterization of risks of hypothetical exposure to groundwater will not be presented in this evaluation. However, chemicals in groundwater are evaluated by comparison with ARARs.

Analytical results of groundwater samples were compared to concentrations in upgradient samples from the sites under investigation. All results were of the same order of magnitude as background concentrations. Section 3 provides additional details on concentration of metals in groundwater. Table 4-1a lists the ARARs for the groundwater contaminants detected at the site including maximum contaminant levels (MCLs), maximum contaminant level goals (MCLGs), proposed maximum contaminant level goals (PMCLGs), and State of Indiana water quality standards. The results of groundwater samples from both phases of the SI are compared to the above guidelines in Tables 4-2 and 4-3. As shown in Tables 4-2 and 4-3, the mean and maximum concentrations of the observed chemicals were compared to the relevant Federal ARARs. The frequency of detection of the chemicals in groundwater is also shown in Tables 4-2 and 4-3.

Table 4-1a. Applicable or Relevant and Appropriate Requirements for Groundwater: 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

	Fort Way	ne, Indiana			
					NDIANA
PARAMETER	MCL (a)	PMCL (a,b)	MCLG (a)	PMCLG (a,b)	MCL (e)
METALS					
Antimony		10/5 (c,d)		3 (d)	
Arsenic	50				50
Beryllium		1 (d)		0 (d)	
Cadmium	10	5		5	10
Chromium	50	100		100	50
Copper	1,000 *	1,300		1,300	1,000 *
Lead	50	5		0	50
Nickel		100 (d)		100 (d)	
Zinc	5,000 *				5,000 *
ORGANICS					
Methylene Chloride		5 (d)		0 (d)	

All units are μ g/L for aqueous samples unless noted.

* - Secondary MCL, not an ARAR

- (a) MCLs, MCLGs, proposed MCLs, proposed MCLGs. Drinking Water Regulations and Health Advisories. Office of Water, USEPA, November 1991.
- (b) Proposed MCLs and proposed MCLGs. Federal Register: Rules and Regulations, Vol. 56, No. 20, Wednesday, January 30, 1991, Tables 1 and 2.
- (c) Two MCLs are proposed based on sample detection limits 5 or 10 times the contract required detection limit

(d) Proposed MCLs and MCLGs, July 25, 1990

(e) State MCLs have not been promulgated for Indiana, Federal MCLs are used instead

Table 4-2. Comparison of Groundwater Concentrations with ARARs at Site 1 - Former Fire Training Area -

	122ªd Tactical	Fighter Wing, Indiana	122 nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana	rt Wayne, Indiana	à
		MEAN		MAXIMUM	
		CONCENTRATION	COMPARISON:	CONCENTRATION	COMPARISON:
Parameter	DETECTION	IN GROUNDWATER (48/L)	MEAN CONCENTRATION vs. ARARs	IN GROUNDWALER (#g/L)	MAXIMUM CONCENTRATION VS. ARARS
Total Petroleum Hydrocarbons	1/6	0.58	1	1.00	;
INORGANICS	•				
Antimony	2/6	6.22	1	14.60	> PMCL
Arsenic	2/6	22.73	1	92.40	> MC!
Beryllium	3/6	1.35	> PMCL	2.21	,
Cadmium	1/6	0.95	1	1.70	11
Chromium	3/6	28.90	1 1	71.80	> MCL
Copper	9/9	44.25	!!	99.62	
Lead	9/9	21.35	! !	49.00	!!
Nickel	9/4	35.82	1	84.60	!!
Zinc	9/9	103.23		221.00	!!
VOLATILE ORGANICS	9/0	QN	1	ΩN	!
SEMIVOLATILE ORGANICS	9/0	ND	•	ND	
 - ARARs not exceeded MCL - Maximum Contaminant Level PMCL - Proposed Maximum Contaminant Level 	rel aminant Level				

4-7

Table 4-3. Comparison of Groundwater Concentrations with ARARs at Site 3 - Hazardous Waste Collection Area - 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

	ועק ו שרנוגמו ד.ו	MEAN MEAN	MAN MAN MAN MAN MAXIMINATION OF THE MAYING MAN MAXIMINATION MAXIMINATI	Wayinc, indiana MAXIMIM	
	FREOUENCY OF	CONCENTRATION IN GROUNDWATER	COMPARISON: MEAN CONCENTRATION	CONCENTRATION	CONCENTRATION COMPARISON: CONCENTRATION COMPARISON: IN GROUNDWATER MEAN CONCENTRATION IN GROUNDWATER MAXIMUM CONCENTRATION
Parameter	DETECTION	(µg/L)	vs. ARARs	(µg/L)	vs. ARARs
Total Petroleum Hydrocarbons	2/0	QN	1	QN	
INORGANICS					
Arsenic	272	15.55	1	24.80	
Beryllium	21	1.40	> PMCL	1.80) > PMCL
Chromium	71	37.80	1 1	69.10	
Copper	2/2	52.15	!!	82.30	
Lead	22	35.65	! !	43.40	
Nickel	4	41.40	! 1	76.80	
Zinc	2/2	102.50	1	179.00	
VOLATILE ORGANICS	Ş)			
Metnylene Chloride	7/1	6.8	t I	00.0	> FMCL
SEMIVOLATILEORGANICS	0/2	QN	•	QN	
 ARAR not exceeded 					

- - AKAK not exceeded
MCL - Maximum Contaminant Level
PMCL - Proposed Maximum Contaminant Level

The following summarizes the results of the comparison of groundwater concentrations with relevant Federal and state ARARs:

- The mean and maximum concentrations of beryllium in groundwater at Sites 1 and 3 are above the PMCL of 1 μ g/L for the chemical. The source of beryllium cannot be attributed to the site.
- The mean concentration of all other chemicals in groundwater samples from Sites 1 and 3 are below relevant ARARs.
- In groundwater samples from Site 1, the maximum concentration of arsenic and chromium were above the MCLs for the respective compounds, and the maximum concentration of antimony was above the PMCL for the compound.
- In Site 3 groundwater samples, the maximum concentration of chromium exceeded the MCL and the maximum concentration of methylene chloride exceeded the PMCL for the respective compounds.

As discussed in Section 3, the metals in groundwater at the site at the detected concentrations are not considered to be entirely site related. Metals tend to be adsorbed easily to soils and are not easily transported by infiltrating water. Solubility of metals in water is mainly a function of oxidation state and pH. In a reducing environment or at a low pH, the solubility of metals increases; with increasing pH or oxidation, metals species are less soluble and precipitate out of the solution. Based on geotechnical tests conducted, pH of the site soils is between 7.7 and 8.2. At these pH levels, solubility of metals will be low. In addition, metals in the soil environment are relatively stable due to high sorption properties (high octanol/water partitioning coefficient). Therefore, metals mobility is limited in the soil environment at Site 1.

Based on site history, volatile organics would more likely be detected in the soils, especially fuel-related compounds and compounds that are a result of combustion operations (e.g., PAHs). This is because, in comparison to metals, some halogenated organics would more easily tend to be transported through the soil matrix. However, no VOCs were detected in the groundwater and only some VOCs were detected in the site soils at low concentrations. The

metals concentration detected in site groundwater can be considered to consist of the following three groups:

- Fraction that is naturally occurring in groundwater
- Fraction that is site related
- Fraction that is due to contributions from other sources.

Based on an evaluation of the analytical results and a review of the site geology, the fraction that is due to site-related contamination is considered to be minimal. It is difficult to estimate the fraction of metals concentration in groundwater that is actually from the site. However, it appears certain that the concentration of metals detected in groundwater is not entirely related to site activities.

4.3 EXPOSURE ASSESSMENT

4.3.1 Overview and Objectives

This section evaluates the potential for human exposure to contaminants present at, or released from, Sites 1 and 3 at Indiana ANGB. The results of exposure assessment in conjunction with the toxicity assessment are used in the characterization of potential risks to human health. The principal components adopted in the exposure assessment for Sites 1 and 3 at the Base are as follows:

- Evaluation of contaminant transport
- Identification and characterization of exposure pathways
- Identification of populations at risk of exposure
- Discussion of all assumptions used in deriving estimates of intake and dose.

The conceptual site model for Sites 1 and 3 and exposure assumptions or scenarios described in this section are the basis for exposure evaluation. It is important to recognize that the assumptions used in this section may contribute significantly to uncertainty in the results of the risk evaluation. The evaluation presented in this section follows the most current versions of EPA guidance on exposure and risk evaluation (EPA 1988, 1989a,b).

As specified by EPA, both current and future land uses need to be considered in evaluation of potential human health risks. The Base is located in the southwest side of the city of Fort Wayne, Indiana. Base property is guarded and secured, and the general public does not have direct access to this property. The use of this property is projected to remain under the control of the National Guard. Although the Indiana ANG property is surrounded by agricultural and commercial activities, there are currently no plans to return the land for use by the general public. For the purposes of risk evaluation, however, current and future land uses scenarios have been assumed to evaluate potential occupational exposure to Base personnel currently, and to onsite workers during construction, and receptors under a commercial exposure scenario in the future.

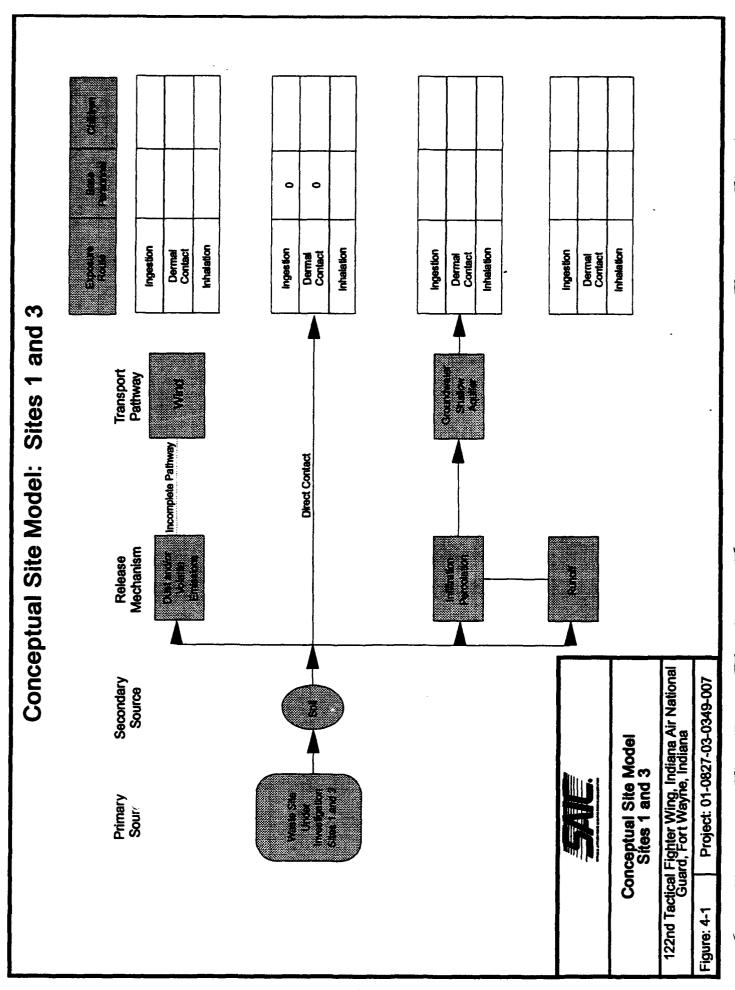
4.3.2 Characterization of Exposure Setting: Conceptual Site Models

In order to characterize the transport of chemicals from the source of release to potential receptors at risk, conceptual models of the waste sites under investigation at the Base have been prepared. Conceptual site models identify the sources and types of environmental release and link these with receptor locations and activity patterns to determine the principal exposure pathways of concern (EPA 1989a).

The conceptual exposure model for Sites 1 and 3 at the Base is presented in Figure 4-1. Based on the available background data, and discussions with Base personnel, it was determined that environmental transport and exposure pathways for Sites 1 and 3 are sufficiently similar as to be adequately characterized by a single model.

Soils at and 5 feet below the former FTA surface and the 4 feet of sand and gravel layer at Site 3 act as a primary source of chemicals released to soils beneath the sites. Once in soils, chemicals may be transported through runoff, infiltration or percolation to the subsurface soils, or to the atmosphere (via chirainment of particulates or volatile emissions).

Prior to construction of the Base, the lands were primarily used for agriculture. As a result, elevated levels of fertilizer and pesticide residues (particularly, antimony and arsenic-based pesticides) are expected to persist in the environmental media. Contribution of inorganic



contaminants arising due to earlier land use activities to the overall risks is an important factor in the evaluation of the public health and environmental impacts due to the activities at the ANG Base.

At present, land is used for a municipal airport adjacent to the Base to the west. This includes the airport terminal, aircraft maintenance warehouses, and light industrial land uses. Other land use adjacent to the Base is agricultural. Future increases in the ongoing industrial activities at the vicinity of the Base could enhance the hazard of commercial/industrial exposures to the onsite contaminants.

Base personnel are the potential receptor group of concern. In this preliminary evaluation, the exposure pathways of importance at Sites 1 and 3 are inadvertent ingestion and dermal exposure to contaminated surficial soils (i.e., direct contact). Based on a limited future land-use scenario at Site 3, commercial exposure, and exposure of construction workers to contaminated subsurface soils also are evaluated.

It is likely that wildlife would avoid paved and open areas (such as at Sites 1 and 3) used routinely by Base personnel, or characterized by soils or vegetation of unpleasant taste or odor. Because these sites do not provide wildlife habitats, bioaccumulation in wildlife is not a likely human exposure route.

Although contaminants may be released from the soil to air, inhalation exposure to suspended particulates and volatile organics from the sites is not anticipated be a significant exposure pathway of concern for the Base personnel or the general public.

The former FTA is covered with 5 to 12 feet of native fill that consists mostly of clay and relatively small amounts of construction debris. Therefore, direct exposure to site-related soil contaminants does not occur. Site 3 currently is being used as a storage area for a variety of oils and organic solvents. Activities records indicate that Site 1 is not used by the Base and as such exposure of the Base personnel are nonexistent. For the purpose of this risk evaluation, it is assumed that the Base personnel are exposed to chemicals at these sites 1 day a week

(1 hour per day), 52 weeks per year (a conservative estimate based on personal conversations with the Indiana ANGB officials, 1992). Risk evaluation for Sites 1 and 3 will be conducted for potential exposure to soils by the onsite workers.

Based on the geological characteristics of the region and the clayey nature of the subsurface soil, Sites 1 and 3 may be classified as low risk for direct exposure to contaminants in groundwater. As noted previously, groundwater is not a source of drinking water for Base personnel. The Base uses municipal water supply as the source of drinking water for military personnel. The municipal water supply originates from three river systems, including the St. Joseph River. Therefore, there is no exposure of Base personnel or the surrounding community to site-related chemicals by the groundwater pathway.

4.3.3 Exposure Assumptions

This section presents the equation and assumptions used in deriving intake estimates for potential receptors. Two exposure pathways are considered for current land use and two pathways are considered for the future construction scenario at Sites 1 and 3:

- Exposure through incidental ingestion of contaminated surficial soils by Base personnel for the current land use scenario
- Exposure through dermal contact to contaminated surficial soils by Base personnel for the current land use scenario
- Potential future exposure by ingestion of subsurface soils by onsite construction workers for the future land use scenario
- Potential future exposure through dermal contact with subsurface soils by onsite construction workers for the future land use scenario.

The land is usually paved during commercial developments of a site. Concrete pavement almost completely eliminates the risks of direct exposure to top soil contaminants. For the purposes of this risk evaluation, however, it is assumed that the lands used for commercial activities are not completely paved and that nonpaved areas within the commercial properties

pose a potential risk of direct exposure to the presence of onsite soil. For this commercial exposure scenario, two soil exposure pathways have been considered:

- Potential future commercial exposure by ingestion of subsurface soils under the future land use scenario
- Potential future commercial exposure through dermal contact with subsurface soils under the future land use scenario.

The exposure assumptions and factors that were selected to generate upper-bound conservative estimates of potential health risks are discussed below. These estimates should be regarded as preliminary screening-level characterizations and not absolute projections of the likelihood of adverse effects in humans.

Base personnel indicated that worker activity at Sites 1 and 3 is very limited (Indiana ANGB 1992). Site 1 is closed (no fire training activity), and as such, no Base personnel work in the immediate area. Further, the site is covered with 5 to 12 feet of native fill material; as a consequence, inadvertent exposure to site-related contaminants does not occur. Site 3 is being used as a storage space. Worker exposure frequency at this site is not anticipated to exceed three times a week. Incidental ingestion exposure of Base personnel to soils is projected to occur during maintenance and inspection activities at the sites under investigation.

In general, under current land-use conditions, there is no potential for direct exposure to chemicals in soils at a depth greater than 6 to 24 inches. However, during construction activities (e.g., excavation and construction of foundations or basements), it is assumed that workers may be exposed to soils to a depth of approximately 10 feet. In order to develop a measure of the significance of the observed levels of contamination at Indiana ANGB, the preliminary risk evaluation will evaluate hypothetical exposure of Base personnel to the mean and maximum concentrations of chemicals in the soil column to a depth of 10 feet. Contamination below this depth will not be evaluated for soil exposure pathways.

The exposure concentrations that form the basis of risk estimates are typically the arithmetic averages of the environmental concentration that the receptor is projected to experience

over the exposure period (EPA 1989a). Because of the uncertainty associated with any estimate of exposure concentration, the upper confidence limit (i.e., the 95 percent confidence limit) on the arithmetic average is recommended by EPA for use in risk assessment (EPA 1989a).

The 95th percent upper-bound risk estimate based on the arithmetic mean would fall between the arithmetic average and the maximum observed value at the site. Risk estimates based upon these "reasonable maximum exposure" (RME) concentrations provide a basis for characterizing the upper-bound risks to human health. It should be noted, however, that if the sample set is very small, or if there is considerable variability in measured concentrations, the RME estimate of the arithmetic mean may exceed the maximum value observed at the site. Under these circumstances, EPA recommends adopting the maximum observed concentration as the basis of the risk assessment.

For the screening-level evaluation, risk estimates will be derived using both the arithmetic mean and the maximum observed concentrations in soils. RME concentrations calculated using the available data sets typically were above the maximum observed concentrations. Use of the arithmetic mean and the maximum concentrations have bounded the estimates of potential risks to human health. The mean concentrations used in the exposure assessment were calculated as the weighted arithmetic mean of the data sets obtained during both phases of the SI.

4.3.4 Intake Estimates for Current Land Use

For a current land-use scenario, two exposure pathways are used as the basis for estimating risks of exposure to soil for Base personnel: ingestion and dermal exposure to contaminants detected in samples collected from 0 to 2 feet BGS.

4.3.4.1 Ingestion Exposure of Base Personnel

Based on the current activities at the sites, intake estimates for ingestion exposure of Base personnel to soils in the vicinity of the former FTA and HWCA are determined as follows:

where:

- C = Arithmetic mean or maximum chemical concentration in soils. Not detected values treated as one-half the limit of detection.
- CR = Contact rate: 0.1 gram/day projected as conservative exposure in the absence of site-specific information (EPA default value: Exposure Factors Handbook, EPA 1989b).
- CF = Conversion factor to intake in units of mg/day: 10⁶ Kg/mg.
- EF = Exposure frequency: 1 day every week (52 days per year). Conservative exposure frequency estimate for Base personnel (Indiana ANGB 1992).
- ED = Exposure duration: 30 years. Upper-bound estimate of period of employment or service at the Base.
- BW = Average body weight for adults: 70 Kg.
- AT = Averaging time for noncarcinogenic effects, chronic exposure: 30 years x 365 days/year. Averaging time for cancer risk estimates: 70 years x 365 days/year.

All chemicals are assumed to be conservative in the environment (i.e., they do not transform or degrade over the period of exposure) and 100 percent bioavailable for uptake and absorption. The use of equation (1) above is in accordance with methods proposed by EPA in the Risk Assessment Guidance for Superfund (EPA 1989a).

4.3.4.2 Dermal Exposure of Base Personnel

Dermal exposure is assumed to occur simultaneously with inadvertent ingestion exposure during maintenance or inspection activities. The skin surface area of arms and hands are assumed to be available for contact with soil.

Dose estimates for dermal exposure of Base personnel to soils in the vicinity of the former FTA and the HWCA are determined as follows:

where:

- C = Arithmetic mean or maximum chemical concentration in surface soils or sediments. Not detected values treated as one-half the limit of detection.
- CF = Conversion factor to intake in units of mg/day: 10⁶ Kg/mg.
- SA = Skin surface area available for contact: hands and arms 3,120 cm² (EPA 1989b).
- AF = Soil to skin adherence factor: 1.45 mg/cm² (EPA 1989a). Average of EPA value for potting soil used as default in the absence of site-specific information.
- ABS = Relative absorption factor: 1 percent (0.01) for metals and inorganics, and 25 percent (0.25) for organics (Ryan et al. 1987).
- EF = Exposure frequency: One day every week (52 days per year). Conservative exposure frequency estimate for Base personnel (Indiana ANGB 1992).
- ED = Exposure duration: 30 years. Upper-bound estimate of period of employment or service at the Base.
- BW = Average body weight for adults: 70 Kg.
- AT = Averaging time for noncarcinogenic effects, chronic exposure: 30 years x 365 days/year. Averaging time for cancer risk estimates: 70 years x 365 days/year.

All chemicals are assumed to be conservative in the environment (i.e., they do not transform or degrade over the period of exposure). The use of equation (2) above is in accordance with methods presented by EPA in the Risk Assessment Guidance for Superfund (EPA 1989a).

4.3.5 Intake Estimates For Future Land-use Scenario

Similar to the current land use scenario, two exposure pathways were used as the basis for estimating risks for exposure to onsite construction workers and receptors under the commercial exposure scenario: ingestion and dermal exposure to contaminants detected in soil samples collected from 0 to 10 feet BGS.

4.3.5.1 Limited Ingestion Exposure of Onsite Construction Workers

Construction or repair work is anticipated as plausible future activities at Site 3. Although there are no plans for construction activities at Site 1, these pathways were applied to this site to address the future land-uses scenario in a consistent manner. Exposure estimates are

derived for limited exposure of onsite construction workers to subsurface soil contaminants during digging and excavation at the sites under evaluation. For the purposes of quantifying the dose, contaminant concentrations of soil samples collected from 0 to 10 feet BGS. The exposure equation used for inadvertent soil ingestion by onsite workers is as follows:

where:

- C = Arithmetic mean or maximum chemical concentration in soil samples from 0 to 10 feet BGS. Not detected values treated as one-half the limit of detection.
- CR = Contact rate: 0.1 gram/day projected as conservative exposure in the absence of site-specific information (EPA default value: Exposure Factors Handbook, EPA 1989b).
- CF = Conversion factor to intake in units of mg/day: 10⁶ Kg/mg.
- EF = Exposure frequency: 5 days per week for 1 year (250 days/year).
- ED = Exposure duration: One year. Upper-bound estimate of period of construction or repair works at the site.
- BW = Average body weight for adults: 70 Kg.
- AT = Averaging time for noncarcinogenic effects, chronic exposure: 1 year x 365 days/year. Averaging time for cancer risk estimates: 70 years x 365 days/year.

All chemicals are assumed to be conservative in the environment (i.e., they do not transform or degrade over the period of exposure) and 100 percent bioavailable for uptake and absorption. The use of equation (3) above is in accordance with methods proposed by EPA in the Risk Assessment Guidance for Superfund (EPA 1989a).

4.3.5.2 Limited Dermal Exposure of Onsite Construction Workers

For the dermal exposure pathway, the preliminary risk evaluation will evaluate exposure of construction workers to the mean and maximum concentrations of chemicals in the soil column to a depth of 10 feet.

Dose estimates for dermal exposure for construction workers are as follows:

where:

- C = Arithmetic mean or maximum chemical concentration in soil column of 0 to 10 feet in depth. Not detected values treated as one-half the limit of detection.
- $CF = Conversion factor 10^{-6} \text{ Kg/mg}.$
- SA = Skin surface area available for contact: hands and arms 3,120 cm² (EPA 1989b).
- AF = Soil to skin adherence factor: 1.45 mg/cm² (EPA 1989a). Average of EPA value for potting soil used as default in the absence of site-specific information.
- ABS = Absorption factor: 1 percent (0.01) for metals and inorganics, and 25 percent (0.25) for organics (Ryan et al. 1987).
- EF = Exposure frequency: 5 days per week for 1 year (250 days/year).
- ED = Exposure duration: 1 year. Upper-bound estimate of period for construction or repair work at the site.
- BW = Average body weight for adults: 70 Kg.
- AT = Averaging time for noncarcinogenic effects, chronic exposure: 1 year x 365 days/year. Averaging time for cancer risk estimates: 70 years x 365 days/year.

All chemicals are assumed to be conservative in the environment (i.e., they do not transform or degrade over the period of exposure). The use of equation (4) above is in accordance with methods presented by EPA in the Risk Assessment Guidance for Superfund (EPA 1989a).

4.3.5.3 Commercial Exposures by Ingestion of Onsite Soil

Exposure estimates are derived for limited commercial exposures to onsite soil present in unpaved areas. For the purposes of quantifying the dose, contaminant concentrations of soil

samples collected from 0 to 10 feet BGS have been used. The exposure equation used for inadvertent soil ingestion is as follows:

where:

- C = Arithmetic mean or maximum chemical concentration in soil samples from 0 to 10 feet BGS. Not detected values treated as one-half the limit of detection.
- CR = Contact rate: 0.05 gram/day projected as conservative exposure in the absence of site-specific information (EPA default value: Exposure Factors Handbook, EPA 1989b).
- CF = Conversion factor to intake in units of mg/day: 10⁻⁶ Kg/mg.
- EF = Exposure frequency: 5 days per week for 1 year (250 days/year).
- ED = Exposure duration: 25 years. Upper-bound estimate for commercial/industrial activities.
- BW = Average body weight for adults: 70 Kg.
- AT = Averaging time for noncarcinogenic effects, chronic exposure: 25 years x 365 days/year. Averaging time for cancer risk estimates: 70 years x 365 days/year.

All chemicals are assumed to be conservative in the environment (i.e., they do not transform or degrade over the period of exposure) and 100 percent bioavailable for uptake and absorption. The use of equation (3) above is in accordance with methods proposed by EPA in the Risk Assessment Guidance for Superfund (EPA 1989a).

4.3.5.4 Commercial Exposure by Dermal Route to Onsite Soil

For the dermal exposure pathway, the preliminary risk evaluation will evaluate commercial exposure to the mean and maximum concentrations of chemicals in the soil column to a depth of 10 feet.

Dose estimates for dermal exposure for construction workers are as follows:

where:

- C = Arithmetic mean or maximum chemical concentration in soil column of 0 to 10 feet in depth. Not detected values treated as one-half the limit of detection.
- CF = Conversion factor 10⁻⁶ Kg/mg.
- SA = Skin surface area available for contact: hands and arms 3,120 cm² (EPA 1989b).
- AF = Soil to skin adherence factor: 1 mg/cm² (EPA 1989a). Average of EPA value for potting soil used as default in the absence of site-specific information.
- ABS = Absorption factor: 1 percent (0.01) for metals and inorganics, and 25 percent (0.25) for organics (Ryan et al. 1987).
- EF = Exposure frequency: 5 days per week for 1 year (250 days/year).
- ED = Exposure duration: 25 years. Upper-bound estimate of period for construction or repair work at the site.
- BW = Average body weight for adults: 70 Kg.
- AT = Averaging time for noncarcinogenic effects, chronic exposure: 25 years x 365 days/year. Averaging time for cancer risk estimates: 70 years x 365 days/year.

All chemicals are assumed to be conservative in the environment (i.e., they do not transform or degrade over the period of exposure). The use of equation (4) above is in accordance with methods presented by EPA in the Risk Assessment Guidance for Superfund (EPA 1989a).

4.4 TOXICITY ASSESSMENT

Identification of toxicological measures for the contaminants of concern is a critical step in the health risk evaluation process. The objectives of toxicity assessment are to evaluate the inherent toxicity of the compounds under investigation and to identify and quantify toxicological measures of potential concern.

EPA has provided guidelines for quantitative estimation of carcinogenic and noncarcinogenic risks for virtually all hazardous chemicals detected at Superfund sites. Toxicity-based health risk evaluation requires quantitative measures of critical toxicologic endpoints of health relevance.

In order to evaluate noncarcinogenic and carcinogenic health risks, EPA has adopted two basic approaches for toxicity assessment based on the proposed mechanisms of induction of toxic effects. In assessing the noncarcinogenic or systemic effects, EPA assumes the existence of a threshold dose below which no adverse health effects would be manifested in an exposed receptor. The threshold assumption in the dose-response relationship for systemic effects assumes that adaptive or compensating processes that normally operate in living systems must be overcome before adverse effects become manifest in the exposed organism. In contrast, however, EPA assumes a "nonthreshold" mechanism of action for carcinogenic effects. Here, it is believed that any exposure to a carcinogen carries a risk of adverse effect; for example, that a limited number of molecular events can result in permanent chromosomal changes leading to uncontrolled cellular proliferation leading to neoplastic development.

EPA derives reference doses (RfDs) and reference concentrations (RfCs) for use in evaluating the potential for adverse noncarcinogenic effects. RfDs and RfCs are defined as dose estimates (with uncertainty spanning one order of magnitude or greater) expressed as daily exposure levels for the human population, including sensitive subpopulations, that are likely to be without an appreciable risk of deleterious effects during a lifetime (EPA 1989a). RfDs are toxicity measures used in evaluating risks of exposure via the oral route, whereas RfCs are used in evaluating risks via the inhalation exposure.

The chemical-specific reference doses for chronic adverse effects in humans or experimental animals are based on the no-observable-adverse-effect level (NOAEL) or lowest-observable-adverse-effect level (LOAEL) in a dose-response curve from a chronic human or animal bioassay. The RfD for oral exposure is derived as follows:

where:

NOAEL = No-observable-adverse-effect level (mg/Kg body

weight/day)

UF = Uncertainty factor (unitless)

MF = Modifying factor (unitless).

The inhalation RfC is derived as follows:

where:

NOAEL_{THEC1} = No-observable-adverse-effect level (mg/Kg body

weight/day) adjusted to human equivalent concentration

UF = Uncertainty factor (unitless)

MF = Modifying factor (unitless).

A brief description of the principal study and the uncertainty factors used in the derivation of the RfD for various chemicals of concern at this site are described in Appendix G.

For the purposes of evaluating carcinogenic effects, EPA has adopted a two-step approach in which the carcinogenic chemical is first assigned a weight-of-evidence classification based on the evidence of carcinogenicity in human and experimental data, and then a cancer potency factor (slope factor) for a specific data set on tumor induction (see Appendix G for details). The cancer slope factors for oral exposure or inhalation routes is an indicator of the cancer causing potency of the chemical. The cancer potency factor is a plausible upper-bound estimate of the slope of the dose-response curve in the low dose range. It is denoted as the probability of a cancer response per unit intake of a chemical over a lifetime. In risk assessment, the cancer slope (potency) factor is used to estimate the excess lifetime probability of a carcinogenic effect occurring in exposed receptors.

In conducting an evaluation of risk of exposure to chemicals at the Base, two toxicity measures of principal importance may be identified:

- RfDs for oral exposure acceptable intake values for subchronic and chronic exposure (noncarcinogenic effects)
- Cancer slope factors for oral exposure.

The primary source of toxicologic information used for risk characterization at the Base is the EPA Integrated Risk Information System (IRIS) data base. IRIS is a on-line data base for risk assessment and risk management information for chemical substances. Data in the IRIS system are regularly reviewed and updated monthly. If toxicity measures are not available on IRIS, EPA recommends use of the EPA ORD Health Effects Assessment Summary Tables (HEAST FY 1991: EPA 1991) as the second current source of information. Table 4-4 summarizes the toxicity measures used in the public health risk evaluation at the Base.

Note that RfDs or slope factors have not been developed by EPA for the dermal exposure route. In the absence of these factors, the common practice has been to use the available toxicity measures for the oral route of exposure. This approach has been adopted in the preliminary risk evaluation of the Indiana ANG sites under investigation. Note, however, that there is considerable uncertainty in the use of oral measures for the dermal exposure pathway. The results of risk evaluation that incorporate these measures should not be interpreted as characterizing actual risks to human health via the dermal exposure pathway. The risk measures derived for this pathway should be considered only a screening-level tool for evaluating the relative significance of the observed levels of contamination in environmental media.

In evaluating the dermal pathway, EPA recommends expressing chemical intake as absorbed dose and adjusting the oral toxicity measures also to reflect absorbed dose (EPA 1989a). The adjustment of the oral toxicity measure can be accomplished only if sufficient data are available in the principal laboratory studies on oral absorption efficiency in the species on which the toxicity measures are based. EPA notes that exposure estimates for absorption efficiency should not be adjusted if the toxicity values are based on administered doses (EPA 1989a).

Table 4-4. Toxicity Measures for Waste Site Evaluation: Ingestion and Dermal Exposure Pathways * 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

Chemical Classes of Concern	Oral RfD (mg/kg/day)	Inhalation RfD (mg/kg/day)	Cancer Slope Factor Oral Route (mg/kg/day)-1		Cancer Slope Factor Inhalation Route (mg/kg/day)-1	Reference
INORGANICS						
Antimony	4.0E-04	NA			NA	a
Arsenic	1.0E-03	NA		[A]	5.00E+01 [A]	a
Beryllium	5.0E-03	NA		[B2]	8.40E+00 [B2]	а
Cadmium	5.0E-04	5.0E-04	• • • •		6.10E+00 [B1]	a
Chromium (III)	1.0E+01	5.0E-07			NA	а
Chromium (VI)	5.0E-03	NA	NA	-	4.10E+01 [A]	a, i
Copper	3.7E-02	NA	NA		NA	b, k
Lead	1.4E-03	1.4E-03	NA		NA	ь, j
Mercury	3.0E-04	8.6E-05	NA		NA	b
Nickel	2.0E-02	NA	NA		NA	a, b
Thallium	7.0E-05	NA	NA		NA	ь
Zinc	2.0E-01	NA	NA		NA	b
VOLATILE ORGANICS						
Acetone	1.0E-01	NA	NA		NA	a, b
Benzene	NA	NA	2.90E-02	[A]	2.90E-02 [A]	a, b
Ethylbenzene	1.0E-01	NA	NA	• •	NA	a
2-Hexanone	NA	NA	NA		NA	a, c
4-Methyl-2-pentanone	5.0E-02	2.3E-02	NA		NA	a
Toluene	2.0E-01	5.7E-01	NA		NA	а
Xylene (total)	2.0E+00	7.0E-01	NA		NA	a, d
SEMIVOLATILE ORGANICS						
Bis(2-ethylhexyl)phthalate	2.0E-02	2.0E-02	1.40E-02	[B 2]	1.40E-02 [B2]	a, b
Acenaphthene	4.0E-03	NA	NA		NA	a, b
Anthracene	4.0E-03	NA	1.00E+00	[B2]	1.00E+00 [B2]	a, e
Benz[a]anthracene	4.0E-03	NA	1.67E+00	[B2]	NA [B2]	f, g
Benzo[b]fluoranthene	4.0E-03	NA	1.61E+00	iaı'	NA [B2]	f, g
Benzo[k]fluoranthene	4.0E-03	NA	7.59E-01	[B2]	NA [B2]	f, g
Benzo[a]pyrene	4.0E-03	NA	1.15E+01	[B2]	6.10E+00 [B2]	f, g
Chrysene	4.0E-03	NA	5.06E-02	į B2j	1.40E-02 [C]	f, g
Dibenzofuran	1.0E-03	NA	NA		NA	f, g
Fluoranthene	4.0E-02	NA	NA		NA	f, g
Indeno[1,2,3-cd]pyrene	4.0E-03	NA		[C]	NA [B2]	f, g
Phenanthrene	4.0E-03	NA		1	NA (DE)	f, g
Рутеле	3.0E-02	NA		{D}	9.30E-01 [D]	f, g

NA = Not available; [P] = Proposed

(a) Integrated Risk Information System (IRIS) data base (as of October 1991).

(d) Toxicity measures presented are for mixed xylenes.

^{*} Quantitative toxicity parameters were obtained from published studies and IRIS data base

⁽b) EPA Health Effects Assessment Summary Tables (HEAST) FY 1991, or Superfund Public Health Evaluation Manual (1986).

⁽c) Hazardous Substances Data Bank (HSDB) on-line data base (as of January 1992).

⁽e) Unit risk estimate based on use of toxicity equivalence factors and revised ingestion unit risk for B[a]P from (e) 2-stage and (f) linearized multistage model (Clements Associates 1988).

⁽g) In the absence of chemical-specific quantitative toxicity parameters, the RfD for naphthalene was adopted for this PAH.

⁽i) Reference doses for hexavalent chromium oral route.

⁽j) RfD for Pb is under evaluation by EPA; an earlier RfD (from HEAST 1989) for lead is listed in this table.

⁽k) RfD derived from the EPA drinking water standard as listed in EPA 1989 HEAST 2nd Quarter Report.

4.5 RISK CHARACTERIZATION

4.5.1 Overview

The principal aim of the human health risk evaluation is to determine if exposure to chemicals present at, or released from, the sites under investigation pose an unacceptable level of risk to human health. Risk characterization brings together the results of the exposure and toxicity assessments to derive a quantitative measure of risk. The risk estimates obtained in this manner serve in the decisionmaking process for site remediation.

Noncancer risk estimates for individual chemicals are a measure of the potential for adverse systemic effects for that chemical and termed Hazard Quotient (HQ) whereas Hazard Index (HI) is the indicator of noncancer risks for combined exposure to all chemicals of concern for an exposure pathway. The HQ is the ratio of intake or dose divided by the EPA RfD or RfC. Cancer risks are probabilistic estimates of the additional or excess incidence of cancer in an individual attributable to exposure to site-related chemicals. Excess lifetime cancer risks are determined by multiplying the estimated route-specific intake or average daily intake (ADI) with cancer potency factors (or cancer slope factors) (see Appendix G for a more detailed discussion).

Cancer risk estimates are commonly based on prolonged periods of exposure involving decades of periodic contact with contaminated environmental media. Since EPA has adopted a non-threshold mechanism for the process carcinogenesis, any exposure to carcinogens is assumed to contribute an incremental level of increased cancer risks. It is important to note, however, that exposure duration adopted for cancer risk characterization in future land-use scenarios at the Indiana ANGB are very short, and as such, these scenarios and risk estimates have to be viewed as screening-level estimates.

4.5.2 Guidelines for Risk Characterization

EPA guidelines for evaluating noncarcinogenic effects specify determination of an HQ for a given chemical in a contaminated medium. If the HQ for a contaminant (HQ: ratio of daily intake or dose and the chemical-specific RfD) is > 1, it is concluded that there may be potential for adverse noncarcinogenic effects at the given exposure/dose level. In evaluating exposure to multiple chemicals (noncarcinogens), the HQs are summed for all chemicals under

evaluation. If the sum of these ratios, the HI is > 1, the potential for adverse noncarcinogenic effects exists. Under these circumstances, EPA recommends segregating the compounds into chemical groups with similar toxicological effects, and re-evaluating the combined potential of segregated groups of chemicals for adverse health effects.

Carcinogenic risk estimates are probabilistic measures of the excess lifetime cancer risks to the individual above the background levels (i.e., due to exposure to contaminants from the site). For carcinogenic effects, the total excess lifetime cancer risk to all contaminants should fall within the acceptable range of 10⁻⁴ to 10⁻⁶. Although the 10⁻⁶ risk level is identified by EPA as a "point of departure" in evaluating the results of risk evaluation, the revised National Contingency Plan (NCP) indicates that the 10⁻⁴ level is the upper bound of the acceptable range (55 FR 8666).

The EPA guidelines for noncarcinogenic and carcinogenic risk characterization have been adopted in the evaluation and interpretation of risks at Indiana ANG sites.

4.5.3 Risk Characterization for Current Land-use Scenario

The results of risk characterization for current land-use scenarios at Sites 1 and 3 are shown in Tables 4-5 through 4-8. Each table presents: 1) the contaminant chemicals under evaluation, 2) the weighted arithmetic mean and maximum concentrations, 3) the HQs and HIs for assessing the potential for adverse noncarcinogenic effects, and 4) estimates of excess lifetime cancer risk for each chemical and total risks combined across chemicals (Appendix G provides additional discussion of risk assessment methods). In order to bound the potential risks to human health, cancer risk estimates and estimates of the potential for noncarcinogenic effects are derived based on mean and maximum soil concentrations.

Tables 4-5 and 4-7 and Tables 4-6 and 4-8 summarize the risk estimates for current landuse conditions at Sites 1 and 3 for ingestion exposure and dermal contact, respectively. As indicated in Tables 4-5 and 4-8, both noncancer and cancer risk estimates for Site 1 fall within the acceptable range established by EPA for waste site remediation. This applies to the risk estimates derived for both weighted arithmetic mean and maximum concentrations of

Table 4-5. Risk Characterization for Site 1 - Former Fire Training Area Ingestion Exposure of Base Personnel to Surficial Soil Contaminants 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

Chemical	Mean (a) Concentrations in Surface Soil (mg/kg)	Hazard Quotient Noncarcinogenic Effects (c) (Intake/RfD)	Excess Lifetime Carcinogenic Risks (c) (Intake x q1*)	Maximum (b) Concentrations in Surface Soil (mg/kg)	Hazard Quotient Noncarcinogenic Effects (c) (Intake/RfD)	Excess Lifetime Carcinogenic Risks (c) (Intake x q1°)
INORGANICS		<u> </u>				
Antimony	2.16	1.08E-03		4.9	2.45E-03	
Arsenic	8.83	1.77E-03	1.34E-06	12.6	2.52E-03	1.92E-0
Beryllium	0.66	2.64E-05	2.47E-07	1.7	6.80E-05	6.36E-0
Cadmium	0.62	2.48E-04		1.2	4.80E-04	
Chromium	15.06	6.02E-04		20.3	8.12E-04	
Copper	22.49	1.22E-04		34.6	1.87E-04	
Lead	19.57	2.80E-03		33.9	4.84E-03	
Nickel	24.49	2.45E-04		36.5	3.65E-04	
Thallium	0.33	9.43E-06		0.55	1.57E-05	
Zinc	70.73	7.07E-05		116	1.16E-04	
VOLATILE ORGANICS						
Acetone	0.03	6.00E-08		0.07	1.40E-07	
Toluene	0.083	8.30E-08		0.25	2.50E-07	
SEMIVOLATILE ORGANICS						
Benzo[a]pyrene	0.269	1.35E-05	2.69E-07	0.66	3.30E-05	6.60E-0
Benzo[b]fluoranthene	0.444	2.22E-05	6.22E-08	1.3	6.50E-05	1.82E-0
Fluoranthene	0.354	1.77E-06		0.71	3.55E-06	
Pyrene	0.353	1.77E-05	8.20E-09	0.7	3.50E-05	1.63E-0
Indeno[1,2,3-cd]pyrene	0.236	1.57E-06	5.34E-09	0.5	3.33E-06	1.13E-0
		Results based on m	ean values		Results based on ma	aximum values
Hazard Index (HI): (Combined Exposure) (d)		7.02E-03			1.20E-02	
Excess Lifetime Cancer Risk: (Combined Exposure) (d)			1.94E-06		1	3.42E-0

RfD = Reference Dose; Cancer Slope Factor = Cancer Potency Factor (q1*).

(b) Maximum surface soil concentrations obtained from 1990 and 1991 sampling data sets for top 2 feet of soil.

⁽a) Arithmetic mean of the surface soil concentrations obtained from 1990 and 1991 sampling data sets for top 2 feet of soil.

⁽c) Average daily intake calculated assuming exposure to mean and maximum concentrations of chemicals in surface soil through ingestion.

Exposure Assumptions: Inadvertent ingestion by Base personnel of 0.1 gms of soil/day, 1 day/week, 52 days/year, for 30 years of a 70—year lifetime.

All ingested chemicals are assumed to be 100% bioavailable.

⁽d) Risk estimates for combined exposure to maximum concentrations are for illustrative purposes only. Risk characterization for lead is based on an earlier EPA reference dose of 0.0014 mg/kg/day (SPHEM 1986).

Table 4-6. Risk Characterization for Site 1 - Former Fire Training Area Dermal Exposure of Base Personnel to Surficial Soil Contaminants 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

Chemical	Mean (a) Concentrations in Surface Soil (mg/kg)	Hazard Quotient Noncarcinogenic Effects (c) (Intake/RfD)	Excess Lifetime Carcinogenic Risks (c) (Intake x q1*)	Maximum (b) Concentrations in Surface Soil (mg/kg)	Hazard Quotient Noncarcinogenic Effects (c) (Intake/RfD)	Excess Lifetime Carcinogenic Risks (c) (Intake x q1°)
INORGANICS					<u> </u>	
Antimony	2.16	4.97E-04		4.9	1.13E-03	
Arsenic	8.83	8.13E-04	6.10E-07	12.6	1.16E-03	8.71E-0
Beryllium	0.66	1.22E-05	1.12E-07	1.7	3.13E-05	2.89E-0
Cadmium	0.62	1.14E-04		1.2	2.21E-04	
Chromium	15.06	2.77E-04		20.3	3.74E-04	
Copper	22.49	5.60E-05		34.6	8.61E-05	
Lead	19.57	1.29E-03		33.9	2.23E-03	
Nickel	24.49	1.13E-04		36.5	1.68E-04	
Thallium	0.33	4.34E-06		0.55	7.24E-06	
Zinc	70.73	3.26E-05		116	5.34E-05	
VOLATILE ORGANICS						
Acetone	0.03	6.90E-07		0.07	1.61E-06	
Toluene	0.083	9.54E-07		0.25	2.88E-06	•
SEMIVOLATILE ORGANICS						
Benzo[a]pyrene	0.269	1.55E-04	2.78E-06	0.66	3.80E-04	6.83E-0
Benzo[b]fluoranthene	0.444	2.55E-04	6.43E-07	1.3	7.48E-04	1.88E-0
Fluoranthene	0.354	2.04E-05		0.71	4.08E-05	
Pyrene	0.353	2.03E-04	8.48E-08	0.7	4.03E-04	1.68E-0°
Indeno[1,2,3-cd]pyrene	0.236	1.81E-05	5.52E-08	0.5	3.83E-05	1.17E-0
		Results based on m	can values		Results based on ma	aximum values
Hazard Index (Hl): (Combined Exposure) (d)		3.86E-03	1		7.07E-03]
Excess Lifetime Cancer Risk: (Combined Exposure) (d)			4.29E-06		1	1.02E-0

(b) Maximum surface soil concentrations obtained from 1990 and 1991 sampling data sets for top 2 feet of soil.

RfD = Reference Dose; Cancer Slope Factor = Cancer Potency Factor (q1°).
(a) Arithmetic mean of the surface soil concentrations obtained from 1990 and 1991 sampling data sets for top 2 feet of soil.

⁽c) Average daily intake calculated assuming exposure to mean and maximum concentrations of chemicals in surface soil through ingestion. Exposure Assumptions: Incidental dermal exposure by Base personnel of 0.1 gms of soil/day for 1 day/week, 52 days/year, for 30 years of a 70-year lifetime. Surface area of arms and hands, and soil adherence factor were adopted from RAGS 1989. Availability of organic and metallic compounds were approximated at 25% and 1% of the organic and metal concentrations, respectively.

⁽d) Risk estimates for combined exposure to maximum concentrations are for illustrative purposes only. Risk characterization for dermal exposure to lead is based on an earlier EPA oral reference dose of 0.0014 mg/kg/day (SPHEM 1986).

Table 4-7. Risk Characterization for Site 3 - Hazardous Waste Collection Area Ingestion Exposure of Base Personnel to Surficial Soil Contaminants 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

Chemical	Mean (a) Concentrations in Surface Soil (mg/kg)	Hazard Quotient Noncarcinogenic Effects (c) (Intake/RfD)	Excess Lifetime Carcinogenic Risks (c) (Intake x q1°)	Maximum (b) Concentrations in Surface Soil (mg/kg)	Hazard Quotient Noncarcinogenic Effects (c) (Intake/RfD)	Excess Lifetime Carcinogenic Risks (c) (Intake x q1°)
INORGANICS						
Arsenic	9.60	8.64E-03	6.72E-06	20.70	1.86E-02	1.45E-05
Beryllium	0.49	8.82E-05	8.43E-07	0.98	1.76E-04	1.69E-0
Cadmium	0.58	1.04E-03		1.80	3.24E-03	
Chromium	7.18	1.29E-03		11.70	2.11E-03	
Copper	24.16	5.88E-04		31.40	7.64E-04	
Lead	10.62	6.83E-03		16.30	1.05E-02	
Mercury	0.02	6.00E05		0.03	9.00E-05	
Nickel	13.12	5.90E-04		24.10	1.08E-03	
Thallium	0.26	3.34E-03		0.58	7.46E-03	
Zinc	48.98	2.20E-04		75.70	3.41E-04	
VOLATILE ORGANICS						
Acetone	0.18	1.63E-06		0.82	7.38E-06	
2-Hexanone	0.22			1.10		
Methylene Chloride	0.02	4.32E-07	7.20E-11	0.08	1.51E-06	2.52E-10
Toluene	0.03	1.35E-07		0.09	4.10E-07	
Xylenes	0.03	1.35E-08		0.14	6.30E-08	
SEMIVOLATILE ORGANICS						
Bis(2-ethylhexyl)phthalate	0.63	2.81E-05	3.50E-09	2.40	1.08E-04	1.34E-08
	Results based on me	ean values	1	Results based on m	aximum values	
Hazard Index (HI): (Combined Exposure) (d)	i	2.27E-02		I	4.45E-02]
Excess Lifetime Cancer Risk: (Combined Exposure) (d)	•	1	7.57E-06			1.62E-0

RfD = Reference Dose; Cancer Slope Factor = Cancer Potency Factor (q1°).
(a) Arithmetic mean of the surface soil concentrations obtained from 1990 and 1991 sampling data sets for top 2 feet of soil.

⁽b) Maximum surface soil concentrations obtained from 1990 and 1991 sampling data sets for top 2 feet of soil.

⁽c) Average daily intake calculated assuming exposure to mean and maximum concentrations of chemicals in surface soil through ingestion. Exposure Assumptions: Inadvertent ingestion by Base personnel of 0.1 gms of soil/day, 1 day/week, 52 days/year, for 30 years of a 70-year lifetime. All ingested chemicals are assumed to be 100% bioavailable.

⁽d) Risk estimates for combined exposure to maximum concentrations are for illustrative purposes only. Risk characterization for lead is based on an earlier EPA reference dose of 0.0014 mg/kg/day (SPHEM 1986).

Table 4-8. Risk Characterization for Site 3 - Hazardous Waste Collection Area Dermal Exposure of Base Personnel to Surficial Soil Contaminants 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

Chemical	Mean (a) Concentrations in Surface Soil (mg/kg)	Hazard Quotient Noncarcinogenic Effects (c) (Intake/RfD)	Excess Lifetime Carcinogenic Risks (c) (Intake x q1*)	Maximum (b) Concentrations in Surface Soil (mg/kg)	Hazard Quotient Noncarcinogenic Effects (c) (Intake/RfD)	Excess Lifetime Carcinogenic Risks (c) (Intake x q1°)
INORGANICS						· · · · · · · · · · · · · · · · · · ·
Arsenic	9.60	3.84E-03	1.68E-06	20.70	8.28E-03	3.62E-06
Beryllium	0.49	3.92E-05	2.11E-07	0.98	7.84E-05	4.21E-07
Cadmium	0.58	4.64E-04		1.80	1.44E-03	
Chromium	7.18	5.74E-04		11.70	9.36E-04	
Copper	24.16	2.61E-04		31.40	3.39E-04	
Lead	10.62	3:03E-03		16.30	4.66E-03	
Mercury	0.02	2.67E-05		0.03	4.00E-05	
Nickel	13.12	2.62E-04		24.10	4.82E-04	
Thallium	0.26	1.49E-03		0.58	3.31E-03	
Zinc	48.98	9.80E-05		75.70	1.51E-04	
VOLATILE ORGANICS						
Acetone	0.18	1.99E-05		0.82	9.02E-05	
2-Hexanone	0.22			1.10		
Methylene Chloride	0.02	5.28E-06	8.46E-10	0.08	1.85E-05	6.35E-08
Toluene	0.03	1.65E-06		0.09	5.01E-06	
Xylenes	0.03	1.65E-07		0.14	7.70E-07	
SEMIVOLATILE ORGANICS						
Bis(2-ethylhexyl)phthalate	0.63	3.44E-04	4.11E-08	2.40	1.32E-03	3.82E-08
	Results based on me	ean values	1	Results based on ma	aximum values	
Hazard Index (HI): (Combined Exposure) (d)	1	1.05E-02		1	2.12E-02)
Excess Lifetime Cancer Risk: (Combined Exposure) (d)		I	1.93E-06			4.15E-06

RfD = Reference Dose; Cancer Slope Factor = Cancer Potency Factor (q1*).

⁽a) Arithmetic mean of the surface soil concentrations obtained from 1990 and 1991 sampling data sets for top 2 feet of soil.

⁽b) Maximum surface soil concentrations obtained from 1990 and 1991 sampling data sets for top 2 feet of soil.

⁽c) Dermal exposure dose was calculated assuming exposure to mean and maximum concentrations of chemicals in surface soil.

Exposure Assumptions: Incidental dermal exposure by Base personnel of 0.1 gms of soil for 1 day/week, 52 days/year, for 30 years of a 70—year lifetime. Surface area of arms and hands, and soil adherence factor were adopted from RAGS 1989. Availability of organic and metallic compounds were approximated at 25% and 1% of the organic and metal concentrations, respectively.

⁽d) Risk estimates for combined exposure to maximum concentrations are for illustrative purposes only. Risk characterization for dermal exposure to lead is based on an earlier EPA oral reference dose of 0.0014 mg/kg/day (SPHEM 1986).

contaminant chemicals detected at the site. Cancer and noncancer risk estimates for combined exposure to all of the chemicals for a single pathway in the soil (i.e., ingestion or dermal contact) and combined across pathways (i.e., for simultaneous ingestion and dermal exposure) are within the acceptable range.

Based on estimated HIs for combined exposure to all of the contaminants at the site, no adverse noncarcinogenic effects would be anticipated for exposure of onsite workers and personnel to chemicals in the top 0 to 2 feet of soil at Sites 1 and 3. Combined estimates of excess lifetime cancer risk for ingestion and dermal exposure are within the acceptable range of 10^{-6} to 10^{-5} . It is important to recognize the relative nature of risk estimate as a function of the assumptions adopted in the exposure assessment.

4.5.4 Risk Characterization for Future Land Use Scenarios

Public health risks based on future land-uses at this site consider (a) limited occupational exposures of construction workers (Section 4.5.4.1), and (b) future commercial exposures to the onsite soil (Section 4.5.4.2).

4.5.4.1 Risk Characterization for Construction Scenario

Tables 4-9 and 4-11 and Tables 4-10 and 4-12 summarize the potential risks to construction workers for ingestion exposure and dermal contact, respectively. Results of risk characterization presented in Tables 4-9 through 4-12 indicate that both noncancer and cancer risk estimates fall within EPA's acceptable range for waste site remediation. This is true for risk estimates derived for both weighted arithmetic mean and maximum concentrations of contaminant chemicals detected in the soil. Similarly, cancer and noncancer risks for combined exposure to all of the chemicals for a single pathway in the soil (i.e., ingestion or dermal contact) and combined across pathways (i.e., for simultaneous ingestion and dermal exposure) are within the acceptable range.

Based on estimated HIs for combined exposure to all of the contaminants at the site, it is anticipated that no adverse noncarcinogenic effects would result from limited exposure of construction workers to chemicals in the 0- to 10-foot soil column at Sites 1 and 3. Likewise,

Table 4-9. Risk Characterization for Site 1 - Former Fire Training Area Ingestion Exposure of Onsite Construction Workers to Subsurface Soil Contaminants 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

Chemical	Mean (a) Concentrations in Subsurface Soil (0-10 ft) (mg/kg)	Hazard Quotient Noncarcinogenic Effects (c) (Intake/RfD)	Excess Lifetime Carcinogenic Risks (c) (Intake x q1*)	Maximum (a) Concentrations in Subsurface Soil (0-10 ft) (mg/kg)	Hazard Quotient Noncarcinogenic Effects (c) (Intake/RfD)	Excess Lifetime Carcinogenic Risks (c) (Intake x q1*)
INORGANICS						
Antimony	2.31	5.20E-03		5.20	1.17E-02	
Arsenic	8.06	7.25E-03	1.97E-07	12.60	1.13E-02	3.09E-0
Beryllium	0.64	1.15E-04	3.85E-08	1.70	3.06E-04	1.02E-0
Cadmium	0.64	1.15E-03		1.20	2.16E-03	
Chromium	14.85	2.67E-03		20.30	3.65E-03	
Copper	22.27	5.42E-04		34.60	8.42E-04	
ead	19.83	1.27E-02		34.10	2.19E-02	
Nickel	23.39	1.05E-03		36.50	1.64E-03	
Thallium	0.31	3.99E-05		0.55	7.07E-05	
Zinc	64.46	2.90E-04		116.00	5.22E-04	
VOLATILE ORGANICS						
Acetone	0.06	5.40E-07		0.19	1.71E-06	
Toluene	0.113	5.09E-07		0.27	1.22E-06	
SEMIVOLATILE ORGANICS						
Acenaphthene	0.308			1.15		
Anthracene	0.271	8.13E-07		1.15	3.45E-06	
Carbazole	0.281			1.15		
Chrysene	0.285	6.41E-05	2.02E-10	1.15	2.59E-04	8.15E-1
Benzo[a]anthracene	0.392	8.82E-05	9.16E-09	1.40	3.15E-04	3.27E-0
Benzo[a]pyrene	0.504	1.13E-04	8.11E - 08	1.50	3.38E-04	2.42E-0
Benzo[b]fluoranthene	0.277	6.23E-05	6.24E-09	1.15	2.59E-04	2.59E-0
Dibenzofuran	0.521	4.69E-04		1.70	1.53E-03	
Fluoranthene	0.332			1.15		
Fluorene	0.331	7.45E-05		1.15		
Pentachlorophenol	2.150			13.00		2.18E-0
Phenanthrene	0.543			1.30	2.93E-04	
Pyrene	0.362			1.15	2.59E-04	1.50E-0
indeno[1,2,3-cd]pyrene	0.326	9.78E-06	1.19E-09	1.15	3.45E-05	4.19E-0
		Results based on m	ean values		Results based on m	aximum values
Hazard Index (HI): (Combined Exposure) (d)		3.22E-02]		5.82E-02	
Excess Lifetime Cancer Risk: (Combined Exposure) (d)			1.06E-07		İ	3.42E-0

RfD = Reference Dose; Cancer Slope Factor = Cancer Potency Factor (q1*).

⁽a) Arithmetic mean of the surface soil concentrations obtained from 1990 and 1991 subsurface soil sampling data sets for 0-10 feet soil bore samples.

⁽b) Maximum surface soil concentrations obtained from 1990 and 1991 sampling data sets for 0-10 feet soil bore samples.

⁽c) Average daily intake calculated assuming exposure to mean and maximum concentrations of chemicals in subsurface soil through ingestion. Exposure Assumptions: Accidental ingestion by onsite workers of 0.1 gms of soil for 5 days/week, 250 days/year, for 1 year of a 70—year lifetime. All ingested chemicals are assumed to be 100% bioavailable.

⁽d) Risk estimates for combined exposure to maximum concentrations are for illustrative purposes only. Risk characterization for lead is based on an earlier EPA reference dose of 0.0014 mg/kg/day (SPHEM 1986).

Table 4-10. Risk Characterization for Site 1 - Former Fire Training Area Dermal Exposure of Onsite Construction Workers to Subsurface Soil Contaminants 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

INORGANICS Antimony Arsenic Beryllium Cadmium Chromium Copper Lead Nickel Thallium Zinc VOLATILE ORGANICS Acetone Toluene SEMIVOLATILE ORGANICS Acenaphthene Anthracene Carbazole Chrysene Benzo[a]anthracene Benzo[a]pyrene Benzo[a]pyrene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene Indeno[1,2,3-cd]pyrene	2.31 8.06 0.64 14.85 22.27 19.83 23.39 0.31 64.46 0.06 0.113	2.31E - 03 3.22E - 03 5.12E - 05 5.12E - 04 1.19E - 03 2.41E - 04 5.67E - 03 4.68E - 04 1.77E - 05 1.29E - 04	1.73E - 08	- 5.2 12.6 1.7 1.2 20.3 34.6 34.1 36.5 0.55 116	5.20E-03 5.04E-03 1.36E-04 9.60E-04 1.62E-03 3.74E-04 9.74E-03 7.30E-04 3.14E-05 2.32E-04	1.39E-0 4.61E-0
Arsenic Beryllium Cadmium Chromium Chromium Copper Lead Nickel Thallium Zinc VOLATILE ORGANICS Acetone Toluene SEMIVOLATILE ORGANICS Acetaphthene Anthracene Carbazole Chrysene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene	8.06 0.64 14.85 22.27 19.83 23.39 0.31 64.46 0.06 0.113	3.22E-03 5.12E-05 5.12E-04 1.19E-03 2.41E-04 5.67E-03 4.68E-04 1.77E-05 1.29E-04 6.60E-06 6.22E-06	1.73E - 08	12.6 1.7 1.2 20.3 34.6 34.1 36.5 0.55 116	5.04E-03 1.36E-04 9.60E-04 1.62E-03 3.74E-04 9.74E-03 7.30E-04 3.14E-05 2.32E-04	
Arsenic Beryllium Cadmium Chromium Chromium Copper Lead Nickel Thallium Zinc VOLATILE ORGANICS Acetone Toluene SEMIVOLATILE ORGANICS Acetaphthene Anthracene Carbazole Chrysene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene	0.64 0.64 14.85 22.27 19.83 23.39 0.31 64.46 0.06 0.113	5.12E-05 5.12E-04 1.19E-03 2.41E-04 5.67E-03 4.68E-04 1.77E-05 1.29E-04	1.73E - 08	1.7 1.2 20.3 34.6 34.1 36.5 0.55 116	1.36E-04 9.60E-04 1.62E-03 3.74E-04 9.74E-03 7.30E-04 3.14E-05 2.32E-04	
Beryllium Cadmium Chromium Copper Lead Nickel Thallium Zinc VOLATILE ORGANICS Acetone Toluene SEMIVOLATILE ORGANICS Acenaphthene Anthracene Carbazole Chrysene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene	0.64 14.85 22.27 19.83 23.39 0.31 64.46 0.06 0.113	5.12E-04 1.19E-03 2.41E-04 5.67E-03 4.68E-04 1.77E-05 1.29E-04 6.60E-06 6.22E-06		1.2 20.3 34.6 34.1 36.5 0.55 116	9.60E-04 1.62E-03 3.74E-04 9.74E-03 7.30E-04 3.14E-05 2.32E-04	4.61E-0
Cadmium Chromium Copper Lead Nickel Thallium Zinc VOLATILE ORGANICS Acetone Toluene SEMIVOLATILE ORGANICS Acenaphthene Anthracene Carbazole Chrysene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene	0.64 14.85 22.27 19.83 23.39 0.31 64.46 0.06 0.113	5.12E-04 1.19E-03 2.41E-04 5.67E-03 4.68E-04 1.77E-05 1.29E-04 6.60E-06 6.22E-06		1.2 20.3 34.6 34.1 36.5 0.55 116	9.60E-04 1.62E-03 3.74E-04 9.74E-03 7.30E-04 3.14E-05 2.32E-04	
Chromium Copper Lead Nickel Thallium Zinc VOLATILE ORGANICS Acetone Toluene SEMIVOLATILE ORGANICS Acenaphthene Anthracene Carbazole Chrysene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene	14.85 22.27 19.83 23.39 0.31 64.46 0.06 0.113	1.19E-03 2.41E-04 5.67E-03 4.68E-04 1.77E-05 1.29E-04		20.3 34.6 34.1 36.5 0.55 116	1.62E-03 3.74E-04 9.74E-03 7.30E-04 3.14E-05 2.32F-04	
Copper Lead Nickel Thallium Zinc VOLATILE ORGANICS Acetone Toluene SEMIVOLATILE ORGANICS Acenaphthene Anthracene Carbazole Chrysene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene	22.27 19.83 23.39 0.31 64.46 0.06 0.113	2.41E-04 5.67E-03 4.68E-04 1.77E-05 1.29E-04 6.60E-06 6.22E-06		34.6 34.1 36.5 0.55 116	3.74E-04 9.74E-03 7.30E-04 3.14E-05 2.32E-04	
Lead Nickel Thallium Zinc VOLATILE ORGANICS Acetone Toluene SEMIVOLATILE ORGANICS Acenaphthene Anthracene Carbazole Chrysene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene	19.83 23.39 0.31 64.46 0.06 0.113	5.67E-03 4.68E-04 1.77E-05 1.29E-04 6.60E-06 6.22E-06		34.1 36.5 0.55 116	9.74E-03 7.30E-04 3.14E-05 2.32E-04	
Nickel Thallium Zinc VOLATILE ORGANICS Acetone Toluene SEMIVOLATILE ORGANICS Acenaphthene Anthracene Carbazole Chrysene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene	23.39 0.31 64.46 0.06 0.113	4.68E-04 1.77E-05 1.29E-04 6.60E-06 6.22E-06		36.5 0.55 116	7.30E-04 3.14E-05 2.32E-04 2.09E-05	
Thallium Zinc VOLATILE ORGANICS Acetone Toluene SEMIVOLATILE ORGANICS Acenaphthene Anthracene Carbazole Chrysene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene	0.31 64.46 0.06 0.113	1.77E-05 1.29E-04 6.60E-06 6.22E-06		0.55 116 0.19	3.14E-05 2.32E-04 2.09E-05	
Zinc VOLATILE ORGANICS Acetone Toluene SEMIVOLATILE ORGANICS Acenaphthene Anthracene Carbazole Chrysene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene	0.06 0.113	1.29E-04 6.60E-06 6.22E-06		0.19	2.32F - 04 2.09E - 05	
VOLATILE ORGANICS Acetone Toluene SEMIVOLATILE ORGANICS Acenaphthene Anthracene Carbazole Chrysene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene	0.06 0.113 0.308	6.60E - 06 6.22E - 06		0.19	2.09E-05	
Acetone Toluene SEMIVOLATILE ORGANICS Acenaphthene Anthracene Carbazole Chrysene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene	0.113	6.22E-06				
Foluene SEMIVOLATILE ORGANICS Acenaphthene Anthracene Carbazole Chrysene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene	0.113	6.22E-06				
Acenaphthene Anthracene Carbazole Chrysene Benzo[a]anthracene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene	0.308			0.27	1.49E-05	
Acenaphthene Anthracene Carbazole Chrysene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Pentachlorophenol Phenanthrene Pyrene		5.65E-05				
Anthracene Carbazole Chrysene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene		5.65E-05				
Carbazole Chrysene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene				1.15	2.11E-04	
Chrysene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene	0.271	9.94E-06		1.15	4.22E-05	
Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene	0.281			1.15		
Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene	0.285	7.84E-04	1.44E-09	1.15	3.16E-03	5.82E-0
Benzo[a]pyrene Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene	0.392	1.08E-03	6.55E-08	1.40	3.85E-03	2.34E-0
Benzo[b]fluoranthene Dibenzofuran Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene	0.504	1.39E-03		1.50	4.13E-03	1.73E-C
Dibenzofuran Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene	0.277	7.62E-04		1.15	3.16E-03	1.85E-0
Fluoranthene Fluorene Pentachlorophenol Phenanthrene Pyrene	0.521	5.73E-03		1.70	.87E-02	
Fluorene Pentachlorophenol Phenanthrene Pyrene	0.332	9.13E-05		1.15	3.16E-04	
Pentachlorophenol Phenanthrene Pyrene	0.332	9.10E-04		1.15	3.16E-03	
Phenanthrene Pyrene	2.150	7.93E-04		13.00	4.80E-03	2.47E-0
Pyrene	0.543	1.49E-03		1.30	3.58E-03	M-71E−0
•	0.343 0.362	9.96E-04	3.37E-08	1.30	3.16E-03	1.07E-0
maeno(1,4,4) – calpyrene						2.99E-0
	0.326	1.20E-04	8.48E-09	1.15	4.22E-04	ムカメピーリ
		Results based on m	ean values		Results based on ma	aximum values
Hazard Index (HI):		2.80E-02	1		7.28E-02	<u>'</u>
(Combined Exposure) (d)		2.00L-02	•			,
Excess Lifetime Cancer Risk: (Combined Exposure) (d)		2.002 -02	•			•

RfD = Reference Dose; Cancer Slope Factor = Cancer Potency Factor (q1*).

(b) Maximum surface soil concentrations obtained from 1990 and 1991 sampling data sets for 0-10 feet soil bore samples.

⁽a) Arithmetic mean of the surface soil concentrations obtained from 1990 and 1991 subsurface soil sampling data sets for 0-10 feet soil bore samples.

⁽c) Dermal exposure dose was calculated assuming exposure to mean and maximum concentrations of chemicals in subsurface soil through ingestion.

Exposure Assumptions: Incidental dermal exposure by onsite workers of 0.1 gms of soil for 5 days/week, 250 days/year, for 1 year of a 70—year lifetime. Surface a: ea of arms and hands, and soil adherence factor were adopted from RAGS 1989. Availability of organic and metallic compounds were approximated at 25% and 1% of the organic and metal concentrations, respectively.

⁽d) Risk estimates for combined exposure to maximum concentrations are for illustrative purposes only. Risk characterization for dermal exposure to lead is based on an earlier EPA oral reference dose of 0.0014 mg/kg/day (SPHEM 1986).

Table 4-11. Risk Characterization for Site 3 - Hazardous Waste Collection Area Ingestion Exposure of Onsite Construction Workers to Subsurface Soil Contaminants 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

Chemical	Mean (a) Concentrations in Subsurface Soil (0-10 feet) (mg/kg)	Hazard Quotient Noncarcinogenic Effects (c) (Intake/RfD)	Excess Lifetime Carcinogenic Risks (c) (Intake x qi*)	Maximum (b) Concentrations in Subsurface Soil (0-10 feet) (mg/kg)	Hazard Quotient Noncarcinogenic Effects (c) (Intake/RfD)	Excess Lifetime Carcinogenic Risks (c) (Intake x q1*)
INORGANICS						
Arsenic	9.60	8.64E-03	2.35E-07	20.70	1.86E-02	5.07E-07
Beryllium	0.49	8.82E-05	2.95E-08	0.98	1.76E-04	5.90E-08
Cadmium	0.58	1.04E-03		1.80	3.24E-03	
Chromium	7.18	1.29E-03		11.70	2.11E-03	
Copper	24.16	5.88E-04		31.40	7.64E-04	
Lead	10.62	6.83E-03		16.30	1.05E-02	
Mercury	0.02	6.00E-05		0.03	9.00E-05	
Nickel	13.12	5.90E-04		24.10	1.08E-03	
Thallium	0.26	3.34E-03		0.58	7.46E-03	
Zinc	48.98	2.20E-04		75.70	3.41E-04	
VOLATILE ORGANICS						
Acetone	0.15	1.37E-06		0.82	7.38E-06	
Benzene	0.00		1.62E-12	0.01		3.65E-12
Ethylbenzene	0.01	6.30E-08		0.02		
2-Hexanone	0.19			1.10		
Methylene Chloride	0.02	3.60E-07	2.10E-12	0.08	1.51E-06	8.82E-12
4-Methyl-2-pentanone	0.01	2.52E-07		0.03	1-12 00	V.U.L.
Toluene	0.03	1.44E-07		0.09	4.10E-07	
Xylenes	0.06	2.57E-08		0.19	8.55E-08	
SEMIVOLATILE ORGANICS						
Bis(2-ethylhexyl)phthalate	0.56	2.50E-05	1.09E-10	2.40	1.08E-04	4.70E-10
	Results based on me	ean values	:	Results based on ma	aximum values	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Hazard Index (HI): (Combined Exposure) (d)	1	2.27E-02		. [4.45E-02]
Excess Lifetime Cancer Risk: (Combined Exposure) (d)		ł	1.13E-10	I		4.83E-10

RfD = Reference Dose; Cancer Slope Factor = Cancer Potency Factor (q1*).

(a) Arithmetic mean of the surface soil concentrations obtained from 1990 and 1991 subsurface soil sampling data sets for 0-10 feet soil bore samples.

⁽b) Maximum surface soil concentrations obtained from 1990 and 1991 sampling data sets for 0-10 feet soil bore samples.

⁽c) Average daily intake calculated assuming exposure to mean and maximum concentrations of chemicals in subsurface soil through ingestion. Exposure Assumptions: Accidental ingestion by onsite workers of 0.1 gms of soil for 5 days/week, 250 days/year, for 1 year of a 70-year lifetime. All ingested chemicals are assumed to be 100% bioavailable.

⁽d) Risk estimates for combined exposure to maximum concentrations are for illustrative purposes only. Risk characterization for lead is based on an earlier EPA reference dose of 0.0014 mg/kg/day (SPHEM 1986).

Table 4-12. Risk Characterization for Site 3 - Hazardous Waste Collection Area Dermal Exposure of Onsite Construction Workers to Subsurface Soil Contaminants 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

Chemical	Mean (a) Concentrations in Subsurface Soil (0-10 feet) (mg/kg)	Hazard Quotient Noncarcinogenic Effects (c) (Intake/RfD)	Excess Lifetime Carcinogenic Risks (c) (Intake x q1°)	Maximum (b) Concentrations in Subsurface Soil (0-10 feet) (mg/kg)	Hazard Quotient Noncarcinogenic Effects (c) (Intake/RID)	Excess Lifetime Carcinogenic Risks (c) (Intake x q1°)
INORGANICS						
Arsenic	9.60	3.84E-03	1.06E-07	20.70	8.28E-03	2.28E-0
Beryllium	0.49	3.92E-05	1.33E-08	0.98	7.84E05	2.65E-0
Cadmium	0.58	4.64E-04		1.80	1.44E-03	
Chromium	7.18	5.74E-04		11.70	9.36E-04	
Copper	24.16	2.61E-04		31.40	3.39E04	
Lead	10.62	3.03E-03		16.30	4.66E-03	
Mercury	0.02	2.67E-05		0.03	4.00E-05	
Nickel	13.12	2.62E-04		24.10	4.82E-04	
Thallium	0.26	1.49E-03		0.58	3.31E-03	
Zinc	48.98	9.80E-05		75.70	1.51E-04	
VOLATILE ORGANICS						
Acetone	0.15	1.67E-05		0.82	9.02E-05	
Benzene	0.00		1.16E-11	0.01		2.61E-1
Ethylbenzene	0.01	7.70E-07		0.02		
2-Hexanone	0.19			1.10		
Methylene Chloride	0.02	4.40E-06	1.50E-11	0.08	1.85E-05	6.30E-1
4-Methyl-2-pentanone	0.01	3.08E-06		0.03		
Toluene	0.03	1.76E-06		0.09	5.01E-06	
Xyienes	0.06	3.14E-07		0.19	1.05E-06	
SEMIVOLATILE ORGANICS						
Bis(2-ethylhexyl)phthalate	0.56	3.05E-04	7.77E-10	2.40	1.32E-03	3.36E-0
	Results based on me	an values		Results based on ma	eximum values	
Hazard Index (HI): (Combined Exposure) (d)]	1.04E-02		ľ	2.12E-02]
Excess Lifetime Cancer Risk: (Combined Exposure) (d)		[8.0 E-10	ı		3.45E-0

RfD = Reference Dose; Cancer Slope Factor = Cancer Potency Factor (q1*).

⁽a) Arithmetic mean of the surface soil concentrations obtained from 1990 and 1991 subsurface soil sampling data sets for 0-10 feet soil bore samples.

⁽b) Maximum surface soil concentrations obtained from 1990 and 1991 sampling data sets for 0-10 feet soil bore samples.

⁽c) Dermal exposure dose was calculated assuming exposure to mean and maximum concentrations of chemicals in subsurface soil through ingestion.

Exposure Assumptions: Incidental dermal exposure by onsite workers of 0.1 gms of soil for 5 days/week, 250 days/year, for 1 year of a 70—year lifetime. Surface area of arms and hands, and soil adhearence factor were adopted from RAGS 1989. Availability of organic and metallic compounds were approximated at 25% and 1% of the organic and metal concentrations, respectively.

⁽d) Risk estimates for combined exposure to maximum concentrations are for illustrative purposes only. Risk characterization for dermal exposure to lead is based on an earlier EPA oral reference dose of 0.0014 mg/kg/day (SPHEM 1986).

combined estimates of excess lifetime cancer risk for ingestion and dermal exposure are within the acceptable range of 10⁻⁶ to 10⁻⁵. Since there are no definitive future land-use plans at Sites 1 and 3, the estimated risks for the construction workers exposure scenario is only for illustrative purposes to assess potential future human health risks.

4.5.4.2 Risk Characterization for Commercial Exposures

Tables 4-13 and 4-14 and Tables 4-15 and 4-16 summarize the potential risks to commercial exposures for soil ingestion and dermal contact, respectively. Results of risk characterization presented in Tables 4-13 through 4-16 indicate that both noncancer and cancer risk estimates fall within EPA's acceptable range for waste site remediation. This is true for risk estimates derived for both weighted arithmetic mean and maximum concentrations of contaminant chemicals detected in the soil. Similarly, cancer and noncancer risks for combined exposure to all of the chemicals for a single pathway in the soil (i.e., ingestion or dermal contact) and combined across pathways (i.e., for simultaneous ingestion and dermal exposure) are within the acceptable range.

Based on estimated HIs for combined exposure to all of the contaminants at the site, it is anticipated that no adverse noncarcinogenic effects would result from limited exposure to chemicals in the 0- to 10-foot soil column at Sites 1 and 3. Likewise, combined estimates of excess lifetime cancer risk for ingestion and dermal exposure are within the acceptable range of 10^{-6} to 10^{-4} . Since there are no definitive future land-use plans at Sites 1 and 3, public health risk evaluation for commercial exposure scenarios are based solely on projected future land uses.

4.6 UNCERTAINTY EVALUATION

It is essential to recognize the uncertainties inherent in quantitative health risk evaluation. This section on uncertainty evaluation briefly describes the sources of uncertainty in the preliminary public health risk evaluation of the Indiana ANG waste sites, and the relative influence of these sources on the overall health risk evaluation.

The quantitative risk evaluation process introduces uncertainties in the selection or derivation of key input parameters in the hazard assessment, exposure evaluation, and toxicity

Table 4—13. Risk Characterization for Site 1 – Former Fire Training Area Ingestion Exposure of Commercial Community to Subsurface Soil Contaminants 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

Chemical	Mean (a) Concentrations in Subsurface Soil (0–10 ft) (mg/kg)	Hazard Quotient Noncarcinogenic Effects (c) (Intake/RfD)	Excess Lifetime Carcinogenic Risks (c) (Intake x q1*)	Maximum (a) Concentrations in Subsurface Soil (0-10 ft) (mg/kg)	Hazard Quotient Noncarcinogenic Effects (c) (Intake/RfD)	Excess Lifetime Carcinogenic Risks (c) (Intake x q1*)
PHORGANICS	- "	· · · · · · · · · · · · · · · · · · ·				
Antimony	2.31	2.8E-03		5.20	6.37E-03	
Arsenic	8.06	3.9E-03	2.4E-06	12.60	6.17E-03	3.75E-0
Beryllium	0.64	6.3E-05	4.7E-07	1.70	1.67E-04	1.24E-0
Cadmium	0.64	6.3E-04		1.20	1.18E-03	
Chromium	14.85	1.5E-03		20.30	1.99E-03	
Copper	22.27	2.9E-04		34.60	4.58E-04	
Lead	19.83	6.9E-03		34.10	1.19E-02	
Vickel	23.39	5.7E-04		36,50	8.94E-04	
Challium	0.31	2.2E-05		0.55	3.85E-05	
Zinc	64.46	1.6E-04		116.00	2.84E-04	
VOLATILE ORGANICS						
Acetone	0.06	2.9E-07		0.19	9.31E-07	
Colucae	0.113	2.8E-07		0.27	6.61E-07	
SEMIVOLATILE ORGANICS						
Acenaphthene	0.308	2.5E-06		1.15	9.39E-06	
Anthracene	0.271	4.4E-07		1.15	1.88E-06	
Carbazole	0.281	NA		1.15	NA	
Chrysene	0.285	3.5E-05	2.5E-09	1.15	1.41E-04	9. 89 E-0
lenzo[a]anthracene	0.392	4.8E-05	1.1E-07	1.40	1.71E-04	3.97E-0
lenzo(a)pyrene	0.504	6.2E-05	9.9E-07	1.50	1.84E-04	2.93E-0
lenzo[b]fluoranthene	0.277	3.4E-05	7.6E-08	1.15	1.41E-04	3.15E-0
Dibenzofuran	0.521	2.6E-04		1.70	8.33E-04	
Puoranthene	0.332	4.1E-06		1.15	1.41E-05	
luorrene	0.331	4.1E-05		1.15	1.41E-04	
Pentachlorophenol	2.150	3.5E-05	4.4E-08	13.00	2.12E-04	2.65E-0
henanthrene	0.543	6.7E-05		1.30	1.59E-04	
Рутеве	0.362	4.4E-05	5.7E-08	1.15	1.41E-04	1. \$2 E-0
indeno[1,2,3-cd]pyrene	0.326	5.3E-06	1.4E-08	1.15	1.88E-05	5.08E-0
Hazard Index (HI): (Combined Exposure)(d)	1	1.75E-02		ſ	3.17E-02	
Excess Lifetime Cancer Risk:	·		4.16E-06	•	1	9.14E-0
sicess i identitae i intert e 1961			7.10E-U0			7.14E~V

RfD = Reference Dose; Cancer Slope Factor = Cancer Potency Factor (q1*).

⁽a) Arithmetic mean of the surface soil concentrations obtained from 1990 and 1991 subsurface soil sampling data sets for for 1 - 10 feet soil bore samples.

⁽b) Maximum surface soil concentrations obtained from 1990 and 1991 sampling data sets for 0-10 feet soil bore samples.

⁽c) Dermal exposure dose was calculated assuming exposure to mean and maximum concentrations of chemical in subsurface soil by ingestion. Exposure assumptions Exposure assumptions for commercial accentrios: Public and ensite workers exposures via incidental ingestion of 50 mg/day, for 250 days/year, for 25 years of a 70-year lifetime.

⁽d) Risk estimates for combined exposure to maximum concentrations are for illustrative purposes only. Risk characterization for dermal exposure to lead is based on an earlier EPA oral reference dose of 0.0014 mg/kg/day (SPHEM, 1986).

Table 4--14. Risk Characterization for Site 1 - Former Fire Training Area Dermal Exposure of Commercial Community to Subsurface Soil Contaminants 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

Chemical	Mean (a) Concentrations in Subsurface Soil (0-10 ft) (mg/kg)	Hazard Quotient Noncarcinogenic Effects (c) (intake/RfD)	Excess Lifetime Carcinogenic Risks (c) (Intake x q1*)	Maximum (a) Concentrations in Subsurface Soil (0-10 ft) (mg/kg)	Hazard Quotient Noncareinogenic Effects (c) (Intake/RfD)	Excess Lifetime Carcinogenic Rinks (c) (Intake x q1°)
INORGANICS						
Antimony	2.31	1.8E-03		5.20	4.0E-03	
Arrenic	8.06	2.5E-03	1.6E-06	12.60	3.9E-03	2.4E-06
Beryllium	0.64	4.0E-05	3.0E-07	1.70	1.1E-04	8.0E-07
Cadmium	0.64	4.0E-04		1.20	7.4E-04	
Chromium	14.85	9.2E-04		20.30	1.3E-03	
Copper	22.27	1.9E-04		34.60	2.9E-04	
Lead	19.83	4.4E-03		34.10	7. 6E-0 3	
Nickel	23.39	3.6E-04		36.50	5.7E-04	
Thellium	0.31	1.4E-05		0.55	2.4E-05	
Zinc	64.46	1.0E-04		116.00	1.8E-04	
VOLATILE ORGANICS						
Acetone	0.06	4.6E-06		0.19	1.4E-05	
Toluene	0.113	4.3E-06		0.27	1.0E-05	
SEMIVOLATILE ORGANICS						
Acenaphthene	0.308	3.9E-05		1.15	1.5E-04	
Anthracene	0.271	6.9E-06		1.15	2.9E-05	
Carbazole	0.281	NA		1.15	NA	
Chrysene	0.285	5.4E-04	3.9E-08	1.15	2.2E-03	1.6E-0
Benzo[a]anthracene	0.392	7.4E-04	1.8E-06	1.40	2.7E-03	6.3E-0
Benzo[a]pyrene	0.504	9.6E-04	1.6E-05	1.50	2.9E-03	4.7E-0
Senzo[b]fluoranthene	0.277	5.3E-04	1.2E-06	1.15	2.2E-03	5.0E-0
Dibenzofuran	0.521	4.0E-03		1.70	1.3E-02	
Fluoranthene	0.332	6.3E-05		1.15	2.2E-04	
Pluorrene	0.331	6.3E-04		1.15	2.2E-03	
Pentachlorophenol	2.150	5.4E-04	7.0E-07	13.00	3.3E-03	4.2E-0
Phenanthrene	0.543	1.0E-03		1.30	2.5E-03	
Pyrene	0.362	6.9E-04	9.1E-07	1.15	2.2E-03	2.9E-0
indeno[1,2,3-cd]pyrene	0.326	8.3E-05	2.3 E-0 7	1.15	2.9 E-0 4	8.1E-0
Hazard Index (HI):						
(Combined Exposure)(d)	ĺ	2.05E-02		[5.23E-02	
Excess Lifetime Cancer Risk:		г	2.23E-05		1	6.92E-0

RfD = Reference Dose; Cancer Slope Factor = Cancer Potency Factor (q1*). Since reference doses and cancer alope factors for dermal exposure are not available, oral reference dose and cancer potency factors were used in risk calculations.

⁽a) Arithmetic mean of the surface soil concentrations obtained from 1990 and 1991 subsurface soil sampling data sets for 1-10 feet soil bore samples.

⁽b) Maximum surface soil concentrations obtained from 1990 and 1991 sampling datrets for 0-10 feet soil bore samples.

⁽c) Dermal exposure dose was calculated assuming exposure to mean and maximum: accentrations of chemical in subsurface soil.

Exposure assumptions for commercial scenarios: Public and onsite workers exposures via incidental dermal contact to 1 mg/cm2 of soil for 250 days/yr, for 25 yrs of a 70-yr lifetime. Surface area of arms and hands, and soil adherence factors were obtained from RAGS 1989. Availability of organic and descriptions for the organic and metallic compounds, respectively.

⁽d) Risk estimates for combined exposure to maximum concentrations are for illustrative purposes only. Risk characterization for dermal exposure to lead is based on an earlier EPA oral reference dose of 0.0014 mg/kg/day (SPHEM, 1986).

Table 4—15. Risk Characterization for Site 3 - Hazardous Waste Collection Area Ingestion Exposure of Onsite Construction Workers to Subsurface Soil Contaminants 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

Chemical	Mean (a) Concentrations in Subsurface Soil (0-10 ft) (mg/kg)	Hazard Quotient Noncarcinogenic Effects (c) (intake/RfD)	Excess Lifetime Carcinogenic Risks (c) (Intake x q1*)	Maximum (a) Concentrations in Subsurface Soil (0-10 ft) (mg/kg)	Hazard Quotient Noncarcinogenic Effects (c) (Intake/RfD)	Excess Lifetime Carcinogonic Rinks (c) (Intake x q1*)
INORGANICS						
Arrenic	9.60	4.7E-03	2.9E-06	20.70	1.0E-02	6.2E-0
Beryllium	0.49	4.8E-05	3.6E-07	0.96	9.6E-05	7.2E-0
Cadmium	0.58	5.7E-04		1.80	1. 8E-0 3	
Chromium	7.18	7.0E-04		11.70	1.1 E-03	
Copper	24.16	3.2E-04		31.40	4.2E-04	
Lcad	10.62	3.7E-03		16.30	5.7E-03	
Mercury	0.02	3.3E-05		0.03	4.9 E- 05	
Nickel	13.12	3.2E-04		24.10	5.9E-04	
Thellium	0.26	1.8E-03		0.58	4.1E-03	
Zinc	48.98	1.2E-04		75.70	1.9E-04	
VOLATILE ORGANICS						
Acetone	0.15	7.3E-07		0.82	4.0E-06	
Bonzone	0.00			0.01		4.9E-1
Ethylbenzene	0.01	4.9E-08		0.02	9. 8E-08	
2-Hexanone	0.19			1.10		
Methylene Chloride	0.02	1.6 E-07	2.5E-11	0.08	6.9E-07	1.1 E -1
4-Methyl-2-pentanone	0.01	9.8E-08		0.03	2.9E-07	
Toluene	0.03	7.3E-08		0.09	2.2 E-0 7	
Xylenes	0.06	1.5 E-08		0.19	4.7E-08	
SEMIVOLATILE ORGANICS						
Bis(2-cthylhexyl)phthalate	0.56	1.4E-05	1.3E-09	2.40	5.9 E-0 5	5.7E-0
	Results based on mean	a values		.!	Results based on maxis	num values
Hazard Index (HI): (Combined Exposure) (d)	. [1.24E-02		[2.42E-02	
Excess Lifetime Cancer Risk: (Combined Exposure) (d)		[1.36E-09			5.87E-0

RfD = Reference Dose; Cancer Slope Factor = Cancer Potency Factor (q1*).

⁽a) Arithmetic mean of the surface soil concentrations obtained from 1990 and 1991 subsurface soil sampling data sets for 1-10 feet soil bore samples.

⁽b) Maximum surface soil concentrations obtained from 1990 and 1991 sampling data sets for 0-10 feet soil bore samples.

⁽c) Dermal exposure dose was calculated assuming exposure to mean and maximum concentrations of chemical in subsurface soil by ingestion. Exposure assumptions for commercial accenarios: Public and onsite workers exposures via incidental ingestion of 50 mg/day, for for 250 days/year, for 25 years of a 70-year lifetime.

⁽d) Risk estimates for combined exposure to maximum concentrations are for illustrative purposes only. Risk characterization for dermal exposure to lead is based on an earlier EPA oral reference dose of 0.0014 mg/kg/day (SPHEM, 1986).

Table 4--16. Risk Characterization for Site 3 - Hazardous Waste Collection Area Dermal Exposure of Onsite Construction Workers to Subsurface Soil Contaminants 122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

Chemical	Mean (a) Concentrations in Subsurface Soil (0-10 ft) (mg/kg)	Hazard Quotient Noncarcinogenic Effects (c) (intake/RfD)	Excess Lifetime Carcinogenic Risks (c) (Intake x q1*)	Maximum (a) Concentrations in Subsurface Soil (0-10 ft) (mg/kg)	Hazard Quotient Noncarcinogenic Effects (c) (Intake/RfD)	Excess Lifetime Carcinogenic Risks (c) (Intake x q1*)
INORGANICS		<u> </u>				
Arsonic	9.60	3.0E-03	1.8E-06	20.70	6.4E-03	4.0E-06
Beryllium	0.49	3.0E-05	2.3E-07	0.98	6.1 E-0 5	4.6E-07
Cadmium	0.58	3.6E-04		1.80	1.1 E-03	
Chromium	7.18	4.5E-04		11.70	7.3E-04	
Соррег	24.16	2.0E-04		31.40	2.6 E-0 4	
ced	10.62	2.4E-03		16.30	3.6 E-0 3	
Mercury	0.02	2.1E-05		0.03	3.1 E-0 5	
Vic kel	13.12	2.0E-04		24.10	3.7E-04	
Thallium	0.26	1.2E-03		0.58	2.6E-03	
Line	48.98	7.6E-05		75.70	1.2E-04	
VOLATILE ORGANICS						
Acetone	0.15	1.1E-05		0.82	6.2E-05	
Benzene	0.00			0.01		7. 8E -10
Othy ibenzene	0.01	7.6 E-0 7		0.02	1.5E-06	
-Hexanone	0.19			1.10		
Methylene Chloride	0.02	2.5E-06	4.0E-10	0.08	1.1 E-0 5	1.7E-09
-Methyl-2-pentanone	0.01	1.5E-06		0.03	4.6 E-0 6	
Coluene	0.03	1.1 E-0 6		0.09	3.5E-06	
(yleacs	0.06	2.3E-07		0.19	7.2E-07	
SEMIVOLATILE ORGANICS						
Bis(2-ethylhexyl)phthalate	0.56	2.1E-04	2.1 E-08	2.40	9.1E-04	9.1E-00
	Results based on mean	a values			Results based on maxis	num values
lazard Index (HI): Combined Exposure) (d)	I	8.05E-03		[1.63E-02	
Excess Lifetime Cancer Risk: (Combined Exposure) (d)		[2.10E-06			4.54E-06

RfD = Reference Dose; Cancer Slope Factor = Cancer Potency Factor (q1*). Since reference doses and cancer slope factors for dermal exposure are not available, oral reference dose and cancer potency factors were used in risk calculations.

⁽a) Arithmetic mean of the surface soil concentrations obtained from 1990 and 1991 subsurface soil sampling data sets for 1-10 feet soil bore samples.

⁽b) Maximum surface soil concentrations obtained from 1990 and 1991 sampling data sets for 0-10 feet soil bore samples.

⁽c) Dermal exposure dose was calculated assuming exposure to mean and maximum concentrations of chemical in subsurface soil.

Exposure assumptions for commercial scenarios: Public and onsite workers exposures via incidental dermal contact to 1 mg/cm2 of soil for 250 days/yr, for 25 yrs of a 70-yr lifetime. Surface area of arms and hands, and soil adherence factors were obtained from RAGS 1989. Availability of organic and defended and metallic compounds were approximated at 25% and 1% of the concentrations for the organic and metallic compounds, respectively.

⁽d) Risk estimates for combined exposure to maximum concentrations are for illustrative purposes only. Risk characterization for dermal exposure to lead is based on an earlier EPA oral reference dose of 0.0014 mg/kg/day (SPHEM, 1986).

characterization steps. Propagation of uncertainties at various steps may introduce considerable uncertainty in the final risk estimates. Therefore, the point estimates of risk obtained in preliminary evaluation of waste sites must be viewed with caution. A more realistic estimate of risk would be derived using a range of values for each input parameter corresponding to the range of projected uncertainty.

Given that the verified toxicity measures (i.e., RfDs and cancer slope factors) used in risk assessment are established by EPA, the greatest sources of uncertainty are the determination of exposure point concentrations, the development of exposure scenarios, and the derivation of long-term intake or dose estimates for the human receptors that are at greatest risk.

Input parameters used in the derivation of intake and dose estimates may introduce considerable uncertainty in the risk evaluation process. Variations in human activity patterns, physico-chemical considerations in the estimation of exposed dose, and bioavailability assumptions are critical in exposure assessment. It is here that the professional judgment of the risk assessor becomes particularly important. The risk assessor must examine and interpret a diversity of information, including:

- The nature, extent, and magnitude of contamination
- Transport of chemicals in the environment
- Identification of exposure routes
- Identification of receptor groups currently at risk, and potentially at risk in the future
- Activity patterns of receptors and receptor groups.

Based on this information, the risk assessor must develop exposure scenarios and quantify all parameters needed in the equations to estimate intake or dose (EPA 1989a).

The general form of the intake or dose equation used in risk evaluation is presented and discussed in Appendix G. The equation used will vary depending upon the exposure route under consideration (e.g., ingestion exposure, dermal exposure). Although inaccurate, for the purposes of quantifying intake or dose, exposure variables, including chemical concentration, are

commonly taken as point estimates. In actuality, each of these variables is characterized by a distribution of possible values; a probability distribution, or more accurately, a probability density function (PDF).

Depending upon the characteristics of the data set, the PDF may be represented by a variety of distributions: uniform, normal, lognormal, exponential, and beta. As a continuous function of distribution, height of the curve at any given point in PDF is proportional to the relative likelihood of the uncertainty in quantity having that value. Ideally, dose estimates for risk assessment should be developed by combining PDFs for all input variables. The resultant PDF for dose would then be used in the risk characterization step to generate a probability distribution of potential risk estimates.

A quantitative uncertainty analysis of this type is beyond the scope of the present evaluation. The existing EPA guidance does not yet recommend the use of these methods given the lack of information on the shape of these probability distributions, and the need to consider correlation between input variables. However, it is important to understand this approach, and the limitations of risk evaluation that do not use these methods.

Table 4-17 summarizes the principal sources of uncertainty in the preliminary human health risk evaluation of chemicals present at, or released from, the Indiana ANGB sites. In keeping with EPA guidance (EPA 1989a), a qualitative (order of magnitude) evaluation is made of the relative influence of each principal source of uncertainty on the overall results of risk evaluation.

4.7 ECOLOGICAL EVALUATION

This section presents an evaluation of the potential for ecologically significant effects associated with the presence of contaminants at the three sites at the Base.

4.7.1 Overview

Ecological (or environmental) assessment is conducted as a parallel process to the human health risk evaluation. The principal purpose of ecological assessment within the context of the

Table 4-17. Summary of Uncertainty in Health Risk Assessment 122 Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana

	Over	all Effect on Risk E	stimates*
Assumptions in Risk Assessment	Potential for Overestimation	Potential for Underestimation	Potential for Over or Underestimation
Data Collection and Evaluation			
Number of samples			L to M
Precision and accuracy of chemical analysis			L to M
Exposure Assessment			
Use of maximum parameter concentrations	M		
Conservative uptake and bioavailability information	M to H		
Assumptions that chemicals persist for extended periods	L to M		
Exclusion of exposure pathways		L	
Contaminant detected is ubiquitous		L to M	
Use of limited information on contaminant levels for chronic effects assessment			L to M
Future exposure to groundwater	М		
Toxicity Assessment			
Use of EPA-derived RfDs and SFs		L to M	
Use of oral RfD for dermal risk estimation	M		
Dose estimates based on administered versus absorbed dose	M		
Assumption of additivity of toxic effects		M	
Risk Characterization			
Likelihood that receptors under evaluation are actually at risk	M		
Uniform distribution of risks for age and sex categories		L to M	

^{*} L = Low (effects on risk estimate < one order of magnitude)

M = Moderate (effect on estimate by one or two orders of magnitude)

H = High (effects on risk estimate > two orders of magnitude)

Installation Restoration Program (IRP) waste site evaluation program is to provide information on threats to the natural environment associated with contaminants present at, or released from, a waste site. This information is used in determining the need for further site assessment and results in one of the following:

- A recommendation of no further action
- The need for immediate response (imminent threat)
- A recommendation for a Focused Feasibility Study/Remedial Measures (FFS/RM)
- A recommendation for a Remedial Investigation/Feasibility Study (RI/FS).

The preliminary ecological evaluation presented in this report is a supplement to the SI and preliminary human health risk evaluation conducted by SAIC. The ecological evaluation should be viewed as a screening-level assessment and decisionmaking tool. This evaluation is not designed to be as comprehensive as that prepared for an RI (i.e., baseline ecological risk assessment).

The ecological evaluation for the three sites at the Indiana ANGB has been conducted to provide preliminary information on potential impacts to plant and animal species. This qualitative evaluation focuses principally on three component analyses:

- Determine the presence of threatened or endangered species
- Determine the presence of critical habitats
- Examine the potential for disruption of critical habitats (if present) and impacts to threatened or endangered species.

A qualitative assessment also was made of potential impacts to wetlands and wilderness areas, and natural, historic, and archaeological preservation areas.

This evaluation is based on information obtained on the ecological conditions in the vicinity of Indiana ANGB and should not be considered a risk assessment. This evaluation is qualitative in nature and does not quantify potential adverse effects in plant or animal species, in populations, or in the ecosystem as a whole. However, given the minimal levels of

contamination observed at the sites at the Base, and the absence of any unique habitats, the qualitative assessment provided herein is considered to be adequate for the purposes of an SI.

4.7.2 Current Ecological Setting

The current ecological setting in the vicinity of the Base is briefly summarized below. Much of this information has been extracted from the Environmental Impact Statement (EIS) prepared for the proposed construction of a major highway in the vicinity of the Base.

Wetlands -- Robinson Creek, located more than 1 mile to the north/northeast of the Base, is a riverine, lower perennial, unconsolidated bottom wetland. Harber Ditch is a drainage way located in the vicinity of the Base, and is a riverine, intermittent, streambed wetland. The Fogwell Natural Forest Preserve, located more than 3 miles from the Base, is a 28-acre palustrine, forested, broad-leaved, deciduous wetland, privately owned by Acres, Inc.

Terrestrial and Aquatic Ecology — In the vicinity of the Base, the land is used mostly for agriculture. A small percentage of the area that is wooded is characterized by small tracts of generally 10 to 20 acres. Most farm woodlots are characterized by upland hardwoods. Vegetation within the area near the Base varies from roadside grasses and grassy lawns to a variety of tree species, including sugar maple, beech, oak, ash, hickory, dogwood, and viburnums.

To the northeast and southeast of the Base are the St. Marys and St. Joseph Rivers, which converge to form the Maumee River further east of the Base (Figure 1-1). The woody cover along the river banks and adjacent woodlands provides good wildlife habitat. Within the Maumee River basin, the St. Joseph watershed is characterized by the best terrestrial and aquatic habitat because of less intensive farming, abandoned fields, large bottomland woods, and better water quality. The St. Marys watershed is intensively farmed, with a narrow band of trees and scattered woods along the river. Better habitat is found along the river downstream from Decatur, Indiana. Forty-four species of mammals are found in the Maumee River basin, including deer, squirrel, raccoon, opossum, skunk, fox, coyote, rabbit, other small mammals, reptiles, and amphibians. A variety of songbirds, scavenger birds, and predatory birds also may be present.

The poor water quality of the St. Marys River is responsible for the presence and dominance of such undesirable aquatic species as gizzard shad, quillback carpsucker, green sunfish, and carp. No rare or endangered aquatic species are known or anticipated to exist in other surface waterways.

Rare and Endangered Species -- The on', species of rare or endangered wildlife thought to exist in the area surrounding the Base is the Indiana bat (Myotis Sodalis). This mammal makes its primary summer habitat under the loose bark of medium to large trees.

4.7.3 Evaluation

The focus of the preliminary ecological evaluation of the three sites on Base is a limited examination of endangerment to threatened and endangered species, and the potential for disruption of critical habitats. Because no ecological survey has been conducted for the Indiana ANGB, the assessment if based largely on data from the surrounding area. As mentioned earlier, much of this information has been extracted from the EIS prepared for the proposed construction of a major highway traversing approximately 2 to 3 miles from the Base.

Based on available information and discussions with personnel from the Indiana Department of Natural Resources (IDNR), no threatened or endangered species of flora or fauna are located within a 1-mile radius of the Base. In the vicinity of the Base, the area is within the range of the Federal endangered Indiana bat (Myotis Sodalis). The EIS prepared for construction of the major highway noted that, although the project was located within the range of the Indiana bat, the U.S. Fish and Wildlife Services had determined that the project would not affect this species. No known or endangered aquatic species are known to exist in the vicinity of the Base. Since there are no major surface water resources on Base, no endangered aquatic species are anticipated to exist on Base.

Based on available information and discussions with IDNR personnel, there are no critical habitats at, or in the vicinity of, the Base. A habitat may be defined as the place where an organism lives in the natural setting or the place where one would expect to find the organism. Habitat also may describe the place occupied by an entire community of organisms, including

the abiotic environment (e.g., physical, chemical, or morphological structure of a lake or river system). Critical habitats are unique or unusual natural settings that are necessary for the continued propagation of key species in the ecosystem (i.e., characterized by essential food sources or nesting sites for other species, spawning, and rearing areas). Key species would include organisms essential to the structure and function of the food web, and rare, threatened, or endangered species. Given that a large percentage of the ANGB land area has been paved over or is in an open field, no critical habitats are anticipated to be present on Base property. In particular, the Indiana bat makes its primary summer habitat under the loose bark of medium to large trees. Because of the topography and land use on Base, there would be minimal to no impacts on the Indiana bat even if it were present on Base.

Based on available information, there are no wetlands or wilderness areas on Base or in the immediate vicinity of the Base that could be impacted by the contaminants present at or released from the site. Robinson Creek and the Fogwell Forest Natural Preserve are located more than 1 and 1/2 miles from the Base and are not anticipated to be impacted by contaminants at the Base. From available information, there are no natural, historic, or archaeological preservation sites on Base. There are some prehistoric sites in the vicinity of the Base, but none of these sites appears to be eligible for nomination to the State or National Historic Registers. The Fogwell Forest Natural Preserve and the Fogwell Cemetery are located off Base, but are not expected to be impacted by the contaminants onsite at the Base.

The following additional points should be kept in perspective during the ecological evaluation:

- Principal risks to ecological receptors on Base would be associated with direct contact with contaminated soils.
- Terrestrial species and birds would be the organisms primarily at risk of exposure.
- Most of Indiana ANGB is paved over or characterized by open field. Only the wooded and marshy areas on the southern end of the Base would provide much in the way of habitat.
- Based upon information from IDNR, no critical habitats are anticipated to be present on Base.

- It is likely that terrestrial species would avoid paved and open areas used predominantly by Base personnel, or characterized by soils or vegetation of unpleasant taste or odor.
- No 'keystone species' are present on the Indiana ANGB. Therefore, no irreversible
 population or ecosystem effects are projected to occur. The scope of the ecological
 risk assessment for the SI is not sufficiently comprehensive to accurately determine
 impacts on individual organisms.
- Based on surveys of the area in the vicinity of the Base, the only threatened or endangered species expected to be present is the Indiana bat; however, this species is not expected to be found at the Base. No state-listed threatened or endangered species unique to the area are projected to be found on Base.

Therefore, based on the above points and available information on the ecological setting at the Base, it is concluded that the ANGB sites under investigation do not present an unacceptable risk to the environment. There is no critical habitat, or threatened or endangered species, likely to be present at the ANGB sites under investigation. Chemicals present at the waste sites do not pose an irreversible risk to key species, populations, or ecosystem structure and function.

4.8 SUMMARY AND CONCLUSIONS OF THE PRELIMINARY RISK EVALUATION

A preliminary risk evaluation of Indiana ANGB Sites 1 and 3 was conducted to evaluate risks to human health and to support the determination of the need for site remediation. The risk evaluation performs a comparison of environmental quality data for site-specific chemicals with ARARs. In addition, quantitative risk evaluation was performed to evaluate current and future potential for adverse noncarcinogenic and carcinogenic effects following long-term exposure of Base personnel to site-related contaminants. Based on the preliminary risk characterization, the risks of exposure of Base personnel to the site-related chemicals at Sites 1 and 3 fall within the acceptable range established by EPA. Similarly, the potential future risks for onsite construction workers to site-related chemicals at Sites 1 and 3 are considered acceptable.

The risk estimates were primarily attributable to two chemicals, arsenic and benzo(a)pyrene. An analysis of background concentrations for these two chemicals was performed, whereby background levels were compared to the chemical concentrations detected at the sties. This comparison indicated that the site samples were consistent with background

levels for the same substances. This indicates that there is no statistical evidence of site-related contamination, and that the acceptable risk estimates are indistinguishable from those attributable to background.

It is important to re-emphasize that this evaluation was conducted as part of the SI at Indiana ANGB and was not designed to be as comprehensive as that prepared for an RI (i.e., baseline risk assessment). Ecological risk assessment is only preliminary; the actual risks to nonhuman receptors are not quantified.

The following summarizes the preliminary risk evaluation for Indiana ANGB Sites 1 and 3:

- There is no immediate endangerment to human health due to the presence of chemicals in the surficial soils, or subsurface (0 to 10 feet) soil at Indiana ANGB Sites 1 and 3.
- The potential risks (i.e., noncarcinogenic and carcinogenic) to onsite workers of chronic (long-term) ingestion and dermal exposure to chemicals in surficial soils are within the acceptable range established by EPA for waste site remediation. The HQs and HIs are orders of magnitude below the acceptable level of 1. The estimated excess lifetime risk of cancer is within the range of 10⁻⁶ to 10⁻⁴. Risks are within the acceptable range for exposure to both average and maximum concentrations of contaminants in the soil samples.
- Groundwater beneath the waste sites is not used currently or projected to be used in the future as a source of drinking water for Base personnel and the general public. The groundwater quality was determined to be unsuitable as a potable water supply. Therefore, exposure to groundwater is not an exposure pathway of concern.
- For the purposes of the present study, groundwater quality was evaluated by comparison with ARARs. Except for beryllium, the mean concentrations of all metals were below the relevant ARARs. The maximum concentration of certain chemicals exceeded the PMCLs. All metals in groundwater are not considered to be entirely site related.

Considering that the risk estimates are point estimates, it is important to recognize the inherent uncertainties in the calculated risks for the sites under evaluation. Ideally, all risk estimates should encompass the range of possible values for all of the exposure and toxicity components used in the derivation of risks. In the absence of detailed site-specific information,

the preliminary risk evaluation of Indiana ANGB sites yield upper-bound estimates of the potential for adverse health effects. Given the conservative nature of the adopted method for the risk evaluation, it is very unlikely that the potential risks to human health have been underestimated.

5. CONCLUSIONS AND RECOMMENDATIONS

A Site Inspection (SI) has been conducted under the U.S. Department of Defense (DOD) Installation Restoration Program (IRP) at three sites at the 122nd Tactical Fighter Wing, Indiana Air National Guard Base (ANGB), Fort Wayne, Indiana. The SI was conducted in two phases; the first phase of the SI was planned and conducted to obtain data to confirm the presence or absence of suspected environmental contamination at the three sites. The Phase I activities were conducted during August and September 1990. During Phase I activities, contamination in site soils was observed. It also was determined that additional data were needed to fill in data gaps that were identified during the evaluation of field and laboratory data. Accordingly, Phase II activities were planned to obtain data to:

- Confirm the presence of contaminants detected during Phase I
- Delineate the extent of contamination found
- Evaluate the risk posed by any verified contamination to human health and the environment.

Phase II activities were conducted during October and November 1991. Conclusions and recommendations from the overall SI activities are presented in this section and discussed separately for each site.

5.1 SITE 1 - FORMER FIRE TRAINING AREA

In evaluating the significance of contamination detected at Site 1 - Former Fire Training Area (FTA), it should be noted that the former FTA surface where the actual burning occurred is located approximately 10 to 12 feet below current ground surface. Therefore, any contamination related to fire training activities conducted at this site would most likely be found at the former surface or below the former surface. The former FTA surface is covered with 5 to 12 feet of fill material, which consists of a large fraction of dense clay. Analytical data were divided into two groups to evaluate effectively the significance of contamination at the site:

1) the fill layer above the former FTA surface (upper 5 to 12 feet), and 2) the former FTA surface and below (from 5 feet below the current ground surface to the water table).

Contaminants were detected in the fill layer, but are not considered to be related to fire training activities that occurred at the site. Except for arsenic, all other metals were detected at concentrations below background levels. Some volatile organic compounds (VOCs), principally toluene, and several polynuclear aromatic hydrocarbons (PAHs) were detected in soil samples collected within the fill layer. The significance of these contaminants was evaluated through a preliminary risk evaluation. The results of the risk evaluation are discussed later in this section.

Contamination at Site 1 resulting from fire training activities appears to be present in an area immediately downslope from the former FTA extending 60 to 80 feet west of the burn area. The western extent of contamination is estimated to be less than 85 feet from the burn area. The contamination consists of benzene, toluene, ethylbenzene, and xylenes (BTEX) compounds that are major components of aviation fuel, and semivolatile organic compounds (SVOCs) that include a list of several PAHs. PAHs are products of combustion and typically are found in burn areas. Contaminants were not detected in subsurface soils at depths greater than 5 feet below the former FTA surface (15 to 16.5 feet below current ground surface).

No contaminants were detected in the groundwater. This is consistent with the soil sampling results, which indicate that contaminants have not migrated beyond 5 feet below the former FTA surface. The thick clay layer that exists throughout the subsurface at the site appears to have contained the vertical migration of any contamination well in the vicinity of the former FTA surface, and will continue to do so in the future.

Based on the evaluation of analytical results and a review of the site geology, the overall significance of the observed nature and extent of contamination appears to be minimal. The risk evaluation conducted for exposure to contaminants at the site showed that carcinogenic and noncarcinogenic risks to public health are within the acceptable range. Current risks to Base personnel were estimated based on ingestion and dermal contact with the soils. Future risks assumed construction at the site, and consequent exposure to onsite workers.

Based on the conclusions presented above, no further actions are required at Site 1. Twenty years have elapsed since fire training activities were terminated at the FTA, and in that time, site-related contaminants have migrated only 5 feet below the former FTA surface. This is evidenced by the fact that groundwater has not been impacted. Therefore, no remedial actions are required at this site.

5.2 SITE 3 - HAZARDOUS WASTE COLLECTION AREA

The contamination in soils at Site 3 - Hazardous Waste Collection Area (HWCA) consists primarily of oils and grease. No organic contaminants were detected in soil samples collected from the sand and gravel layer, and except for arsenic, all other metals detected are considered within background concentrations. Some VOCs, namely halogenated organic compounds, were detected in some soils from the sand and gravel layer during the Phase I sampling event. The same VOCs were not detected in samples collected during Phase II activities. It appears likely that the concentration of VOCs may have been significantly reduced through natural attenuation processes. In particular, volatilization of VOCs would occur easily through the loose sand and gravel layer.

Contamination at this site is confined to the fenced area that surrounds the drum storage area. The contamination is predominantly in the top 4 feet of soils, which also coincides with the thickness of the sand and gravel layer. The results of the groundwater analyses show that the underlying aquifer has not been impacted. This is consistent with the conclusion that contamination (consisting of mostly oils and grease) is predominantly in the top 4 feet of soils and has not migrated toward the groundwater table. Oils and grease are insoluble in water, and are easily adsorbed to the soils; therefore, the potential for oils and grease to migrate vertically is minimal. Oils and grease also are easily biodegradable, and natural attenuation processes will reduce the concentration of these compounds over time.

The results of the preliminary risk evaluation show that current carcinogenic and noncarcinogenic risks to Base personnel from ingestion and dermal contact with the surficial soils are within the acceptable range. For a future exposure scenario assuming construction at the site, risks to onsite workers also was found to be within the acceptable range.

No remedial actions are required at Site 3; however, it is recommended that appropriate operating procedures be employed during storage to ensure that any spills that might occur be effectively captured. A concrete pad with a surrounding berm or other containment procedure is an option that should be considered for this site.

5.3 SITE 4 - POL SPILL SITE

The analytical results of soil, groundwater, and sediment samples collected at Site 4 - POL Spill Site show that there is minimal residual contamination at the site resulting from the spill that occurred in 1968. Spots of contamination are present in soils at the site that are most likely from other sources and not from the spill itself. In sediment samples collected from the drainage ditch in the immediate vicinity of the site, low concentrations of total petroleum hydrocarbons (TPH) (17 mg/Kg) were detected; however, no organics of concern were detected. Groundwater at the site has not been impacted; in addition, potential for contaminants to migrate to groundwater is minimal because of the dense clay layer that comprises the subsurface geology. Lead was detected in one monitoring well sample at a concentration above the maximum contaminant level (MCL) for lead. Although this monitoring well is not located directly upgradient from the site, it is in a lateral direction to groundwater flow. Therefore, concentration of lead in this well may be from some other source at the Base. The average concentration of lead in all groundwater samples is below the MCL.

The overall significance of the detected contamination at this site can be considered minimal for the following reasons:

- The aquifer at this site, as at other sites, is overlain by 30 to 35 feet of dense clays, which minimizes the potential for vertical migration of contaminants.
- Access to the site is limited; therefore, exposure for the general public to any surficial contaminants would be minimal. Base personnel working in the area follow appropriate procedures required for conducting operations at a fuel storage site. These procedures would prevent exposure to site surface soils.
- Based on available information, the contamination at this site is the result of a spill
 that occurred in 1968. Remedial actions that were implemented at that time
 consisted of flushing the spill with 200,000 gallons of water. Since that spill, the
 old underground storage tank (UST) system has been replaced by an aboveground
 system designed in accordance with regulatory requirements.

No permanent residences are within 1,400 feet of the Base. The land use in the vicinity of the Base is mostly agricultural. The Base itself is securely guarded so that access to the general public is minimal. No groundwater wells or surface water resources are located within 1/4 mile of the site. A storm drain is located approximately 200 feet from the site.

A preliminary qualitative assessment of impacts to the ecology shows that no threatened or endangered species are on Base, and no critical habitats that could be impacted by the contaminants observed onsite. Therefore, given the minimal extent of residual contamination at the site, and the low potential for Base personnel and the general public to be impacted, no further remedial actions are required at Site 4.

THIS PAGE INTENTIONALLY LEFT BLANK

APPENDIX A SOIL GAS SURVEY

THIS PAGE INTENTIONALLY LEFT BLANK



PREPARED FOR:

SAIC 8400 Westpark Drive McLeon, Virginia 22102 (703)734-2535

> SHALLOW SOIL GAS AND GROUNDWATER INVESTIGATION INDIANA AIR NATIONAL GUARD FORT WAYNE, INDIANA

> > **AUGUST 1990**

SUBMITTED BY:

Tracer Research Corporation

700INAIR_SGW 1-90-700-S

Tracer Research Corporation



TABLE OF CONTENTS

INTRODUCTION	1
SHALLOW SOIL GAS INVESTIGATION - METHODOLOGY	2
EQUIPMENT	3
SOIL GAS SAMPLING PROCEDURES	3
GROUNDWATER SAMPLING PROCEDURES	4
ANALYTICAL PROCEDURES	4
QUALITY ASSURANCE/QUALITY CONTROL PROCEDURES	6
ADDENINIV A. CONIDENSED DATA	٥



INTRODUCTION

A shallow soil gas and groundwater investigation was performed by Tracer Research Corporation (TRC) at the Indiana Air National Guard site located in Fort Wayne, Indiana. The investigation was conducted August 15-16, 1990 under contract to Science Applications International Corporation (SAIC). The purpose of the investigation was to delineate the extent of possible contamination in the subsurface.

During this survey, a total of twenty four soil gas samples and three groundwater samples were collected and analyzed. Samples were analyzed for volatile organic compounds from the following suite:

benzene
toluene
ethylbenzene
xylenes
total petroleum hydrocarbons (THC)
(TPH)

Xylenes are reported as the total of the three xylene isomers and total hydrocarbons are reported as gasoline range compounds consisting of approximately C_4 - C_9 aliphatic, alicyclic, and aronatic compounds.

These compounds were chosen as target compounds because of their suspected presence in the startace and amenability to soil gas technology. Soil gas and groundwater samples were screened on a gas chromatograph equipped with a flame ionization detector (FID).



SHALLOW SOIL GAS INVESTIGATION - METHODOLOGY

Shallow soil gas investigation refers to a method developed by TRC for investigating underground contamination from volatile organic chemicals (VOCs) such as industrial solvents, cleaning fluids and petroleum products by looking for their vapors in the shallow soil gas. The method involves pumping a small amount of soil gas out of the ground through a hollow probe driven into the ground and analyzing the gas for the presence of volatile contaminants. The presence of VOCs in shallow soil gas indicates the observed compounds may either be in the vadose zone near the probe or in groundwater below the The soil gas technology is most effective in mapping low molecular weight halogenated solvent chemicals and petroleum hydrocarbons possessing high vapor pressures and low aqueous solubilities. These compounds readily partition out of the groundwater and into the soil gas as a result of their high gas/liquid partitioning coefficients. Once in the soil gas, VOCs diffuse vertically and horizontally through the soil to the ground surface where they dissipate into the atmosphere. The contamination acts as a source and the above ground atmosphere acts as a sink, and typically a concentration gradient develops between the two. The concentration gradient in soil gas between the source and ground surface may be locally distorted by hydrologic and geologic anomalies (e.g. clays, perched water); however, soil gas mapping generally remains effective because distribution of the contamination is usually broader in areal extent than the local geologic barriers and is defined using a large data base. The presence of geologic obstructions on a small scale tends to create anomalies in the soil gas-groundwater correlation, but generally does not obscure the broader areal picture of the contaminant distribution.

Soil gas contaminant mapping helps to reduce the time and cost required to delineate underground contamination by volatile contaminants. The soil gas investigation does this by outlining the general areal extent of contamination. Conventional bore holes or observation wells are used to verify both the presence and extent of the subsurface contamination as indicated in the soil gas survey. In this manner, soil gas contaminant mapping can assist in determining the placement of monitoring wells. Thus, the likelihood



of drilling unnecessary monitoring wells is reduced. The soil gas survey is not intended to be a substitute for conventional methodology, but rather to enable conventional methods to be used efficiently.

EQUIPMENT

Tracer Research Corporation utilized a one ton Ford analytical field van that was equipped with one gas chromatograph and two Spectra Physics computing integrators. In addition, the van has two built-in gasoline powered generators that provide the electrical power (110 volts AC) to operate all of the gas chromatographic instruments and field equipment. A specialized hydraulic mechanism consisting of two cylinders and a set of jaws was used to drive and withdraw the sampling probes. A hydraulic hammer was used to assist in driving probes past cobbles and through unusually hard soil.

SOIL GAS SAMPLING PROCEDURES

Sampling probes consist of 7 foot lengths of 3/4 inch diameter hollow steel pipe that are fitted with detachable drive tips. Soil gas probes were advanced to 2-5 feet below grade. Once inserted into the ground, the above-ground end of the sampling probes were fitted with a steel reducer and a length of polyethylene tubing leading to a vacuum pump. Gas flow is monitored by a vacuum gauge to insure that an adequate flow is obtained.

To adequately purge the volume of air within the probe, 2 to 5 liters of gas is evacuated with a vacuum pump. During the soil gas evacuation, samples are collected in a glass syringe by inserting a syringe needle through a silicone rubber segment in the evacuation line and down into the steel probe. Ten milliliters of gas are collected for immediate analysis in the TRC analytical field van. Soil gas is subsampled (duplicate injections) in volumes ranging from 1 uL to 2 mL, depending on the VOC concentration at any particular location.

Sample probe vacuums ranged from three to twelve inches Hg. The maximum pump vacuum was measured at twenty-two inches Hg.



GROUNDWATER SAMPLING PROCEDURES

Groundwater samples were collected by driving the hollow probes with detachable drive points below the water table. Once at the desired depth the probe was withdrawn several inches to permit water inflow into the resulting hole. Groundwater samples were collected depths of 2-3 feet below grade. Once inserted into the ground, the above-ground end of the sampling probes were fitted with a vacuum adaptor (metal reducer) and a length of polyethylene tubing leading to a vacuum pump. A vacuum of up to 24 inches of mercury was applied to the interior of the probe and open hole for 10 to 15 minutes or until the water was drawn up the probe. The water thus accumulated was then removed by drawing a vacuum on a 1/4 inch polyethylene tube inserted down the probe to the bottom of the open hole. Loss of volatile compounds by evaporation is accordingly reduced when water is induced to flow into the very narrow hole, because it can be sampled with little exposure to air. The polyethylene tubing was only used once and then discarded to avoid any cross-contamination problems.

Groundwater samples were collected in 40 mL VOC vials that are filled to exclude any air and then capped with Teflon-lined septa caps. Water samples were analyzed by injecting headspace in the sample container created by decanting off approximately half of the liquid in the bottle. Headspace analysis is the preferred technique when a large number of water samples are to be performed daily. The method is more time efficient for the measurement of volatile organics than direct injection because there is less chance for semi-volatile and non-volatile organics to contaminate the system as there is with direct injection. Depending upon the partitioning coefficient of a given compound, the headspace analysis technique can also yield greater sensitivity than the direct injection technique. Both methods are similar in terms of precision and accuracy.

ANALYTICAL PROCEDURES

A Varian 3300 gas chromatograph, equipped with a flame ionization detector (FID), was used for the soil gas and groundwater analyses. Compounds were separated on 6' by



1/8" OD packed column with OV-101 as the stationary phase in a temperature controlled oven of 100°C. Nitrogen was used as the carrier gas.

Hydrocarbon compounds detected in the soil gas and groundwater were identified by chromatographic retention time. Quantification of compounds was achieved by comparison of the detector response of the sample with the response measured for calibration standards (external standardization). Instrument calibration checks were run periodically throughout the day and system blanks were run at the beginning of the day to check for contamination in the soil gas sampling equipment. Air samples were also routinely analyzed to check for background levels in the atmosphere.

The GC was calibrated for groundwater headspace analysis by decanting 10 to 20 mL off of the known aqueous standard so as to leave approximately the same amount of headspace that was in the groundwater samples. The bottle was then resealed and shaken vigorously for 30 seconds. An analysis of the headspace in the vial determines the Response Factor (RF) which is then used to estimate water concentrations.

Detection limits for the compounds of interest are a function of the injection volume as well as the detector sensitivity for individual compounds. Thus, the detection limit varies with the sample size. Generally, the larger the injection size the greater the sensitivity. However, peaks for compounds of interest must be kept within the linear range of the analytical equipment. If any compound has a high concentration, it is necessary to use small injections, and in some cases to dilute the sample to keep it within linear range. This may cause decreased detection limits for other compounds in the analyses.

The detection limits for the selected compounds were approximately 0.01 ug/L for hydrocarbons detected in the soil gas samples and 0.1 ug/L for hydrocarbons detected in the groundwater samples, depending on the conditions of the measurement, in particular, the sample size. If any component being analyzed is not detected, the detection limit for that compound in that analysis is given as a "less than" value (e.g. <0.1 ug/L). Detection limits obtained from GC analyses are calculated from the current response factor, the sample size,

and the estimated minimum peak size (area) that would have been visible under the conditions of the measurement.

QUALITY ASSURANCE/QUALITY CONTROL PROCEDURES

Tracer Research Corporation's normal quality assurance procedures were followed in order to prevent any cross-contamination of soil gas and groundwater samples.

- . Steel probes are used only once during the day and then washed with high pressure soap and hot water spray or steam-cleaned to eliminate the possibility of cross-contamination. Enough probes are carried on each van to avoid the need to reuse any during the day.
- Probe adaptors (TRC's patented design) are used to connect the sample probe to the vacuum pump. The adaptor is designed to eliminate the possibility of exposing the sample stream to any part of the adaptor. Associated tubing connecting the adaptor to the vacuum pump is replaced periodically as needed during the job to insure cleanliness and good fit. At the end of each day the adaptor is cleaned with soap and water and baked in the GC oven.
- . Silicone tubing (which acts as a septum for the syringe needle) is replaced as needed to insure proper sealing around the syringe needle. This tubing does not directly contact soil gas samples.
- . Glass syringes are usually used for only one sample per day and are washed and baked out at night. If they must be used twice, they are purged with carrier gas (nitrogen) and baked out between probe samplings.
- . Injector port septa through which samples are injected into the chromatograph are replaced on a daily basis to prevent possible gas leaks from the chromatographic column.

- Analytical instruments are calibrated each day by analytical standards from Chem Service, Inc. Calibration checks are also run after approximately every five sampling locations.
- . Subsampling syringes are checked for contamination prior to sampling each day by injecting nitrogen carrier gas into the gas chromatograph.
- Prior to sampling each day, system blanks are run to check the sampling apparatus (probe, adaptor, 10 cc syringe) for contamination by drawing ambient air from above ground through the system and comparing the analysis to a concurrently sampled ambient air analysis.
- All sampling and subsampling syringes are decontaminated each day and no such equipment is reused before being decontaminated. Microliter size subsampling syringes are reused only after a nitrogen carrier gas blank is run to insure it is not contaminated by the previous sample.
- . Soil gas pumping is monitored by a vacuum gauge to insure that an adequate gas flow from the vadose zone is maintained. A reliable gas sample can be obtained if the sample vacuum gauge reading is at least 2 inches Hg less than the maximum pump vacuum.

Tracer Research Corporation

APPENDIX A: CONDENSED DATA

NOTE:

- "Condensed Data" provides results from all samples collected; however, some grid points were labeled in the field and on site diagrams but not sampled.
- ² "Air" samples are field blanks of ambient air used for quality control purposes.

SAICTINDIANA AIR NATIONAL GUARD/FORT WAYNE, INDIANA JOB#1-96-700-S 8/15/90 CONDRINGED DATA	E, INDIANA JOB#1-90-700-S
--------------------------------------------------------------------------------------------------	---------------------------

SAMPLE	BENZENB	TOLUENE ug/l	BENZENE ug/l	XYLENES ug/	14 2
AIR	7	⊽	V	٧	*
WS-317-5	7	7	. △	8	9 ' 9
WS-L15-5"	45	87	8	3000	28000
AIR	<03	<0.4	4.0 ×	900	2
- TT	77		<0.1	03	7.
MZI-f	0.3	0.2	<0.09	01	0.7
.5-120	< 0.03	×0.04	*0.0 *	\$000	<0.2
0134.	<0.03	40.04	40.0	<0.05	<0.2
M11-f	< 0.03	40.04	40.04	<0.05	402
M15-2.5	< 0.03	70.0 V	40.0 4	~ 0.05	<0.2
M17-3.5	<0.05	40.0 4	40.0 ×	20.02	<0.2
111-35	~0.03	40.0 4	40.04	<0.05	<0.2
L17-5"	< 0.03	40.04	40.04	<0.05	<0.2
119.2	<0.03	V0.0 V	40.0 4	<0.05	<0.2
M19-5	~0.03	700 V	40.04	<0.05	<0.2

Analyzed by: P. Retto
Checked by: J. Dock
Proofed by: J. Cock

SAIC/INDIANA AIR NATIONAL GUARD/FORT WAYNE, INDIANA JOB#1-90-766-8 8/16/90 CONDENSED DATA

1	BENZENE	TOLUBNE	BENZENE	XYLENES	# 6 4
SAMPLE	Van	Va	/dn	/So	/an
AIR	<0.03	<0.03	×0.04	40.04	<0.1
023-3.5	<0.03	<0.03	70 00	*0.0	<0.1
123-3"	< 0.03	0.1	40.04	₹0.0	0.2
22.521	<0.03	<0.03	****	*0.0 *	<0.1
319-2.5	7	•	<0.2	<0.2	ន
H23-5	<0.03	<0.03	40.0v	×0.04	<0.07
L13-10°	<0.03	<0.03	****	×0.0×	<0.1
313.5	=	2	<07	21	130
76.	<0.03	0.03	70.0	40.04	0.3
WS-123-3"	<0.9	đ	7	\$	110
WS-315-2.5'	909	909	₹	· 12000	76000
WS-H16-2"	7	12000	7	4600	36000
¥.	<0.2	<0.2	<0.2	<03	~03
F1445	96		<0.07	0.4	7
B16-2"	<0.03	<0.03	40.0	*0.0 *	<0.1
B2-14-1.5	0.07	29	*0.0 *	0.08	3
H25-3"	~6.1	<0.2	<0.2	<0.7	<0.7
2-72D	<0.03 20.03	<0.03	700 0	40.0 ×	<0.1
P254.5	<0.0>	<0.03	7 0.0V	40.0 ×	<0.1

Analyzed by: P. Relto Checked by: J. Gook Proofed by:

APPENDIX B
BOREHOLE LOGS & MONITORING WELL AS-BUILTS

THIS PAGE INTENTIONALLY LEFT BLANK

.

INDIANA ANG SITE INVESTIGATION, FORT WAYNE, INDIANA SOIL BORING LOG

SOIL BORING MO.: S81-1
SUPERVISORY GEOLOGIST: KATE FOX
LOG BOOK/PG. NO. : 3/30-32
DRILLING STARTED: 8/27/90
BORING COMPLETED: 8/27/90

LAND SURFACE ELEVATION: 796.03 MSL TOTAL DEPTH DRILLED: 33 BLS TOTAL DEPTH ELEVATION: 763.03 MSL

DRILLING COMPANY: MATHES ENV. SERV. DRILLER: K. BUNSELMEYER RIG TYPE: CME - 550

BORING	BORING COMPLETED: 8/27/90	8/27/90								•
DEPTH (FT BLS)	SAMPLE S) NUMBER	BLOW	TOP OF SAMPLE (FT BLS)	BOTTOM SAMPLE (FT BLS)	RECOVERY (FT)	SOIL TYPE (USCS)	LITHOLOGIC SYMBOLS	LITHOLOGIC DESCRIPTION	LEL RESULTS X	HINU RESULTS (PPM)
0.0	N/A	N/A	N/A	10.0	N/A					
10.0	SB1-1-1	13-25-32	10.0	12.0	1.83	ಕ		CLAY; TRC TO SOME SILT; TRC PEBBLES. 10 YR 4/1 DARK GRAY; POORLY SORT; PEBBLES RND; V. DENSE; PLASTIC; SLIGHTLY MOIST.	BKG	¥
12.0	SB1-1-2	10-19-34	12.0	14.0	1.83	ಕ		CLAY; TRC TO SOME SILT; TRC PEBBLES. 10 YR 4/1 DARK GRAY; POORLY SORT; PEBBLES RND; V. DENSE; PLASTIC; SLIGHTLY MOIST.	BKGD	3
14.0	SB1-1-3	8-14-18	14.0	16.0	1.83	ಕ		CLAY; TRC TO SOME SILT; TRC PEBBLES. 10 YR 4/1 DARK GRAY; Poorly sort; Pebbles RND; V. Dense; Plastic; Moist.	BKCD	0
<u>9</u> B -1	\$81-1-4	9-16-18	16.0	18.0	8.	ಠ		CLAY; TRC TO SOME SILT; TRC PEBBLES. 10 YR 4/1 DARK GRAY; POORLY SORT; PEBBLES RND; V. DENSE; PLASTIC; MOIST.	BKG	æ
18.0	SB1-1-5	8-16-24	18.0	20.0	1.83	ಕ		CLAY; SOWE SILT; TRC PEBBLES. 10 YR 4/1 DARK GRAY; POORLY SORT; PEBBLES RND; V. DENSE; V. PLASTIC; MOIST.	BKGD	-
20.0	se1-1-6	7-14-20	20.0	22.0	1.83	ಕ		CLAY; SOME SILT; TRC PEBBLES. 10 YR 4/1 DARK GRAY; POORLY SORT; PEBBLES RMD; V. DENSE; V. PLASTIC; MOIST.	BK G	2
22.0	se1-1-7	æ	22.0	24.0	1.83	ಕ		CLAY; SOWE SILT; TRC PEBBLES. 10 YR 4/1 DARK GRAY; POORLY SORT; PEBBLES RND; V. DENSE; V. PLASTIC; MOIST.	BKCD	0
24.0	SB1-1-8	9-15-25	24.0	26.0	1.83	ಕ		CLAY; SOWE SILT; TRC PEBBLES. 10 YR 4/1 DARK GRAY; POORLY SORT; PEBBLES RND; V. DENSE; V. PLASTIC; MOIST.	BKGD	0
26.0	SB1-1-9	14-27-31	26.0	28.0	1.83	ಕ		CLAY; SOWE SILT; SOWE TO TRC FINE SAND; TRC PEBBLES. 10YR 4/1 DARK GRAY; POORLY SORT; PEBBLES RND; V. DENSE; V. PLASTIC; HOIST.	BKGD	0

HNU ESULTS (PPH)	2		•
LEL HNU RESULTS RESULTS X (PPM)	вксо	8 K@	BKG
LITHOLOGIC DESCRIPTIOM	CLAY; SOME SILT; TRC PEBBLES. 10 YR 4/1 DARK GRAY; POORLY SORT; PEBBLES RND; V. DENSE; V. PLASTIC; MOIST.	30-31', CLAY; SOME SILT; TRC PEBBLES. 10 VR 4/1 DARK GRAY; POOBLY SORT; PEBBLES RND; V. DENSE; V. PLASTIC; MOIST. 31-32 (SEE SB1-1-12)	GRAVEL; V. FINE TO COARSE PËBBLES; SOME V. FINE TO COARSE SAMD. 10YR 4/1 - 4/2 DARK GRAY TO DARK GRAVISH BROWN; POORLY SORT; RND TO SUBR; LOOSE; NON-PLASTIC; SAT.
SOIL TYPE LITHOLOGIC (USCS) SYMBOLS			
SOIL TYPE (USCS)	ಕ	ಕ	3
RECOVERY (FT)	1.83	1.83	1.83
BOTTOM SAMPLE (FT BLS)	30.0	32.0	33.0
TOP OF SAMPLE (FT BLS)	28.0	30.0	0.10
BLOW	28.0 s81-1-10 10-16-25	30.0 SB1-1-11 13-26-30	3-12-24
SAMPLE	381-1-10	581-1-11	31.0 581-1-12
DEPTH (FT BLS)	28.0	30.0	31.0

INDIANA ANG SITE INVESTIGATION, FORT WAYNE, INDIANA SOIL BORING LOG

SOIL BO SUPERVI LOG BOO DRILLIN BORING	SOIL BORING NO.: SB1-2 SWERVISORY GEOLOGIST: KATE LOG BOOK/PG. NO.: 4/12-18 DRILLING STARTED: 8/29/90 BORING COMPLETED: 8/29/90	581-2 515T: KATE F : 4/12-18 8/29/90 8/29/90	FOX	ļ		LAND SI TOTAL 4 TOTAL C	RFACE ELEVA NEPTH ORILLEI NEPTH ELEVAT	LAND SURFACE ELEVATION: 806.70 MSL TOTAL DEPTH DRILLED: 44 BLS TOTAL DEPTH ELEVATION: 762.70 MSL RIG TYPE: CME - 550	MATHES ENVIEWEYER	V. SERV.	
DEPTH (FT BLS)	SAMPLE S) NUMBER	BLOW	TOP OF SAMPLE (FT BLS)	BOTTOM SAMPLE (FT BLS)	RECOVERY (FT)	SOIL TYPE (USCS)	LITHOLOGIC SYMBOLS	LITHCLOGIC DESCRIPTION	LEL RESULTS X	HNU RESULTS (PPN)	4 1 347
0.0	N/A	N/A	N/A	10.0	N/A						
10.0	S81-2-1	3-4-7	10.0	12.0	1.0	ಕ		CLAY; SOME SILT; SOME FINE TO COARSE SAND; TRC COARSE TO FINE PEBBLES; TRC ORGANIC WATTER - ASPHALT(FILL WATERIAL). 2.5Y 4/2 DARK GRAYISH BROWN WITH 10YR 5/8 YELLOWISH BROWN STREAKS OF CLAY; POORLY SORT CLASTS; RMD TO SUBR; DENSE; PLASTIC; MOIST.	ek ep	0	eta)
12.0 5	S81-2-2	8-10-14	12.0	14.0	6.	ಕ		CLAY; SOME SILT; SOME FINE TO COARSE SAND; TRC COARSE TO FINE PEBBLES; TRC ORGANIC MATTER - ASPHALT(FILL MATERIAL). 2.5Y 4/2 DARK GRAYISH BROWN WITH 10YR 5/8 YELLOWISH BROWN STREAKS OF CLAY; POORLY SORT CLASTS; RND TO SUBR; DENSE; PLASTIC; MOIST.	8 KG	0	2_
14.0	SB1-2-3	5-5-6	14.0	16.0	1.63	ರ		CLAY; SOME SILT; SOME FINE TO COARSE SAND; TRC COARSE TO FINE PEBBLES; TRC ORGANIC MATTER - ASPHALT. 2.5Y 4/2 DARK GRAYISH BROWN WITH 10YR 5/8 YELLOWISH BROWN STREAKS OF CLAY; POORLY SORT; RND TO SUBR; DENSE; PLASTIC; MOIST.	BK GD	05-07	>-
16.0	S81-2-3R	6-10-15	16.0	18.0	1.83	ರ		CLAY; SOME SILT; SOME FINE TO V. FINE SAND. 10YR 4/2 DARK GRAYISH BROWN WOTTLED WITH 10YR 4/6 DARK YELLOWISH BROWN CLAY; POORLY SORT; DENSE; PLASTIC; MOIST. THIN BEDS OF V. FINE TO MED QUARTZ SAND.	BK G	05-07	>
18.0	SB1-2-4	14-22-27	18.0	20.0	8. 1	ಕ		CLAY; SOME SILT; TRC COARSE SAND TO MED PEBBLES (UP TO 2CM). 10yr 4/1 dark gray; poorly sort; clasts rnd; v. dense; slightly plastic; hoist to slightly moist.	8KG	•	_
20.0	SB1-2-5	16-23-30	20.0	22.0	1.83	ಕ		CLAY; SOME SILT; TRC COARSE SAND TO MED PEBBLES (UP TO 5CM). 10YR 4/1 DARK GRAY; POORLY SORT; CLASTS RND; V. DENSE; SLIGHTLY PLASTIC; MOIST TO SLIGHTLY MOIST.	8	69-09	2
22.0	381-2-6	15-25-40	22.0	24.0	3.1	ಕ		CLAY; SOME SILT; TRC COARSE SAND TO MED PEBBLES. 10YR 4/1 DARK GRAY; POORLY SORT; CLASTS RND; V. DENSE; PLASTIC; MOIST TO SLIGHTLY MOIST.	E	•	

-] -_			***	<u>.</u>	<u>:</u>	<u> 2</u>	· i.	2.	~
RESULTS (PPM)	6	0	•	•	0	0	•	•	•	•
LEL RESULTS X	8	B KG	8 KG	BKGD	B KGD	BK ©	8	BKGD	8 KG	BK GD
LITHOLOGIC DESCRIPTION	CLAY; SOME SILT; TRC COARSE SAND TO MED PEBBLES (UP TO 2CM). 10YR 4/1 DARK GRAY; POORLY SORT; CLASTS RND; V. DENSE; SLIGHTLY PLASTIC; MOIST TO SLIGHTLY MOIST.	CLAY; SOME SILT; TRC COARSE SAND TO NED PEBBLES (UP TO 2CM). 10YR 4/1 DARK GRAY; POORLY SORT; CLASTS RND; V. DENSE; SLIGHTLY PLASTIC; MOIST TO SLIGHTLY MOIST.	CLAY; SOME SILT; TRC COARSE SAND TO MED PEBBLES (UP TO 2CM). 10YR 4/1 DARK GRAY; POORLY SORT; CLASTS RND; V. DENSE; SLIGHTLY PLASTIC; MOIST TO SLIGHTLY MOIST.	CLAY; SOME SILT; TRC COARSE SAND TO MED PEBBLES (UP TO 2CM). 10YR 4/1 DARK GRAY; POORLY SORT; CLASTS RND; V. DENSE; SLIGHTLY PLASTIC; MOIST TO SLIGHTLY MOIST.	CLAY; TRC SILT; TRC COARSE SAND TO MED PEBBLES (UP TO 2CM). 10YR 4/1 DARK GRAY; POORLY SORT; CLASTS RND; V. DENSE; V. PLASTIC; MOIST TO WET.	CLAY; TRC SILT; TRC COARSE SAND TO MED PEBBLES (UP TO 2CM). 10YR 4/1 DARK GRAY; POORLY SORT; CLASTS RND; V. DENSE; V. PLASTIC; MOIST TO WET.	CLAY; TRC SILT; TRC COARSE SAND TO WED PEBBLES (UP TO 2CM). 10YR 4/1 DARK GRAY; POORLY SORT; CLASTS RND; V. DEWSE; V. PLASTIC; MOIST TO WET.	CLAY; TRC SILT; TRC COARSE SAND TO MED PEBBLES (UP TO 2CM). 10YR 4/1 DARK GRAY; POORLY SORT; CLASTS RND; V. DENSE; V. 15' LENSE OF CLAYEY GRAVEL; V. FINE TO MED PEBBLES; SOME SAND. 10YR 4/1 DARK GRAY; POORLY SORT; RND TO SUBR; DENSE; NON-PLASTIC; WET TO SAT.	CLAY; TRC SILT; TRC COARSE SAND TO MED PEBBLES (UP TO 2CM). 10yr 4/1 Dark gray; poorly sort; clasts RND; v. Dense; v. Plastic; moist to Wet.	AQUIFER MATERIAL. GRAVEL; V.FINE TO V. COARSE PEBBLES; SOME V. FINE TO COARSE SAND; TRC SILT; TRC CLAY. 10YR 4/1 - 5/1 DARK GRAY TO GRAY; V. POORLY SORT; RWD TO SUBR; LOOSE; NOW-PLASTIC; SAT.
LITHOLOGIC SYMBOLS										800 CC 800 CC 800 CC
SOIL TYPE L (USCS)	ಕ	ರ	ಠ	ಕ	ಕ	ಕ	ರ	ರ 9	ಕ	3
RECOVERY (FT)	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.0
BOTTOM SAMPLE (FT BLS)	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	64.0
TOP OF SAMPLE (FT BLS)	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
BLOW	15-20-29	11-16-25	12-20-30	15-23-40	11-28-38	16-25-30	13-18-28	15-26-32	15-26-32	12-20-35
SAMPLE	\$81-2-7	SB1-2-8	SB1-2-9	SB1-2-10	SB1-2-11	SB1-2-12	\$81-2-13	\$81-2-14	SB1-2-15	S81-2-16
DEPTH (FT BLS)	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0

INDIANA ANG SITE INVESTIGATION, FORT WAYNE, INDIANA SOIL BORING LOG

SOIL BORING NO.: S81-3 SUPERVISORY GEOLOGIST: KATE FOX LOG BOCK/PG. NO.: 4/4-10 DRILLING STARTED: 8/28/90 BORING COMPLETED: 8/28/90

LAND SURFACE ELEVATION: 805.31 MSL TOTAL DEPTH DRILLED: 44 BLS TOTAL DEPTH ELEVATION: 761.31 MSL

DRILLING COMPANY: MATHES ENV. SERV. DRILLER: K. BUNSELNEYER RIG TYPE: CHE - 550

٠.			_				>	14	•.			
j	HMU RESULTS (PPM)		•	•	0	0	5-10	1-2	<u>-</u>	ni -	'n;	
	LEL RESULTS X		BK®	BKG	SKG	8 8	EK (S)	98	e K¢0	8		
	LITHOLOGIC DESCRIPTION		BROWN CLAY	CLAY; SOME SILT; SOME FINE TO COARSE SAND. 2.5Y 5/4 LIGHT OLIVE BROWN; POORLY SORT; RND; DENSE; SLIGHTLY PLASTIC; MOIST.	CLAY; SOME SILT; SOME FINE TO COARSE SAND. 2.5Y 5/4 LIGHT OLIVE BROWN MOTTLED WITH 10YR 6/8 BROWNISH YELLOW; POORLY SORT; RND; DENSE; PLASTIC; MOIST.	GRADATION FROM BROWN TO BLUE CLAY. NO SAMPLE RECORDED.	CLAY; SOME SILT; TRC FINE TO COARSE GRAVEL (UP TO 1CM). 10YR 4/1 DARK GRAY; POORLY SORT; RND; DENSE; PLASTIC; SLIGHTLY MOIST.	CLAY; SOME SILT; SOME FINE TO COARSE SAND; POCKETS OF CLAY. 2.5Y 5/4 LIGHT OLIVE BROAN; POORLY SORT; RND; DENSE; SLIGHTLY PLASTIC; SLIGHTLY MOIST.	CLAY; SOME SILT; SOME FINE TO CDARSE SAND; POCKETS OF CLAY. 2.57 5/4 LIGHT OLIVE BROWN; POORLY SORT; RND; DENSE; SLIGHTLY POIST.	CLAY, BLUE; SOME COARSE SAND TO FINE GRAVEL. 2.5Y 5/4 LIGHT OLIVE BROWN; POORLY SORT; RHD; DENSE; SLIGHTLY PLASTIC; MOIST.	CLAY, BLUE; SOME COARSE SAND TO FINE GRAVEL. 2.5Y 5/4 LIGHT OLIVE BROWN; POORLY SORT; RND; DENSE; SLIGHTLY PLASTIC; MOIST.	
	LITHOLOGIC SYNBOLS											
	SOIL TYPE ((USCS)		ಕ	ಕ	ಕ	ಕ	ಕ	ರ	ಕ	ರ	ರ	_
	RECOVERY (FT)	N/A	¥	1.5	1.83	1.83	1.83	1.83	1.83	2.6	1.83	
	BOTTON SAMPLE (FT BLS)	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0	28.0	
	TOP OF SAMPLE (FT BLS)	N/A	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0	
3/28/90	BLOW	N/A	9-17-22	6-10-13	4-7-14	15-24-31	15-21-29	18-26-30	15-23-40	13-23-34	14-20-31	
BORING COMPLETED: 8/28/90	SAMPLE	N/A	SB1-3-1	se1-3-2	SB1-3-3	\$81-3-4	set-3-5	\$81-3-6	\$81-3-7	SB1-3-8	\$61-3-9	
BORING	DEPTH (FT BLS)	0.0	10.0	12.0	14.0	9. 9. 9.	-2 8 6	20.0	22.0	24.0	26.0	
						_	_					

13								
- 197) = -	2	والمراقعة المراقعة	-	••	·	 سنه	-
RESULTS (PPH)	0	0	0	0	0	-	0	0
RESULTS	BK GD	BKG	B KG	e KGD	BKGD	B K©	BKCD	B K@
LITHOLOGIC DESCRIPTION	CLAY, BLUE; SOME COARSE SAND TO FINE GRAVEL. 2.5Y 5/4 LIGHT OLIVE BROWN; POORLY SORT; RND; DENSE; SLIGHTLY PLASTIC; MOIST.	CLAY, BLUE; SOME COARSE SAND TO FINE GRAVEL. 2.5Y 5/4 LIGHT OLIVE BROWN; POORLY SORT; RND; DENSE; SLIGHTLY PLASTIC; MOIST.	CLAY, BLUE; SOME COARSE SAND TO FINE GRAVEL. 2.5Y 5/4 LIGHT OLIVE BROWN; POORLY SORT; RND; DENSE; SLIGHTLY PLASTIC; MOIST.	CLAY, BLUE; SOME COARSE SAND TO FINE GRAVEL. 2.5Y 5/4 LIGHT OLIVE BROWN; POORLY SORT; RND; DENSE; SLIGHTLY PLASTIC; MOIST.	CLAY, BLUE; SOME COARSE SAND TO FINE GRAVEL. 2.5Y 5/4 LIGHT OLIVE BROWN; POORLY SORT; RND; DENSE; SLIGHTLY PLASTIC; MOIST.	CLAY, BLUE; SOME COARSE SAND TO FINE GRAVEL. 2.5Y 5/4 LIGHT OLIVE BROWN; POORLY SORT; RND; DENSE; SLIGHTLY PLASTIC; MOIST.	CLAY, BLUE; SOME COARSE SAND TO FINE GRAVEL. 2.5Y 5/4 LIGHT OLIVE BROWN; POORLY SORT; RND; DENSE; SLIGHTLY PLASTIC; MOIST.	GRAVEL; V. FINE PEBBLES TO SOME GRAVEL; SOME V. FINE TO COARSE SAND; TRC SILT. 10YR 4/1 DARK GRAY; POORLY SORT; RMD TO SUBR; LOOSE; NON-PLASTIC; SAT.
L I THOLOGI C SYMBOLS								See 1997
SOIL TYPE (USCS)	ಕ	ಕ	ಕ	ರ	ರ	ರ	ರ	3
RECOVERY (FT)	1.83	1.83	1.83	1.83	1.83	1.83	1.83	0.1
BOTTOM SAMPLE (FT BLS)	30.0	32.0	34.0	36.0	38.0	0.04	42.0	0.44
TOP OF SAMPLE (FT BLS)	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
BLOW	13-19-32	15-20-30	11-28-38	10-15-20	12-19-25	12-19-25	10-16-25	12-20-35
SAMPLE () AUMBER	SB1-3-10	\$81-3-11	\$81-3-12	34.0 SB1-3-13	\$81-3-14	\$81-3-15	SB1-3-16	581-3-17
DEPTH (FT BLS)	28.0	30.0	32.0	34.0	36.0	38.0	40.0	ç; B-6

n'

INDIANA ANG SITE INVESTIGATION, FORT WAYNE, INDIANA SOIL BORING LOG

	i "	ı >	>-	> -	200
/. SERV.	RESULTS (PPR)	150	£	#	#
WATHES ENVEYER	LEL RESULTS X	8K 60	BKGD	BKGD	EK CO
LAND SURFACE ELEVATION: 803.46 MSL TOTAL DEPTH DRILLED: 14 BLS TOTAL DEPTH ELEVATION: 789.46 MSL RIG TYPE: CME - 550	LITHOLOGIC DESCRIPTION	CLAY; SOME SILT; SOME V. FINE TO V. COARSE SAND; TRC TO SOME V. FINE TO COARSE PEBBLES. 10YR 4/2 - 4/3 DARK GRAYISH BROWN TO BROWN MOTTLED WITH 10YR 4/6 - 3/6 DAR YELLOWISH BROWN; POORLY SORT; RND TO SUBA; DENSE; SLIGHTLY PLASTIC; SLIGHTLY MOIST.	CLAY; SOME SILT; SOME V. FINE TO V. COARSE SAND; TRC TO SOME V. FINE TO COARSE PEBBLES. 10YR 4/2 - 4/3 DARK GRATISH BROWN TO BROWN MOTTLED WITH 10YR 4/1 DARK GRAY; POORLY SORT; RND TO SUBA; DENSE; PLASTIC; MOIST.	CLAY; SOME SILT; SOME V. FINE TO V. COARSE SAMD; TRC TO SOME V. FINE TO COARSE PEBBLES. 5Y 4/1 - 5/1 DARK GRAY TO GRAY WITH CHUNKS THAT APPEARS TO BE CHARRED WOOD; POORLY SORT; RND TO SUBA; DENSE; PLASTIC; MOIST.	CLAY; SOME SILT; SOME V. FIME TO V. COARSE SAND; TRC TO SOME V. FIME TO COARSE PEBBLES. 10YR 4/3 - 4/4 BROWN TO DARK YELLOWISH BROWN; POORLY SORT; RND TO SUBA; DENSE; PLASTIC; MOIST.
LAND SURFACE ELEVATION: 803. 10TAL DEPTH DRILLED: 14 BLS 10TAL DEPTH ELEVATION: 789.4	LITHOLOGIC Symbols				
LAND SUR TOTAL DE TOTAL DE	SOIL TYPE I (USCS)	ಕ	ಕ	ರ	ರ
	RECOVERY (F1)	1.2	1.2	1.3	4.6
	BOTTON SAMPLE (FT BLS)	2.0	10.0	12.0	14.0
XO	TOP OF SAMPLE (FT BLS)	0.0	8	10.0	12.0
SOIL BORING NO.: SB1-4 SLPERVISORY GEOLOGIST: KATE FOX LOG BOOK/PG. NO. : 4/39-40 DRILLING STARTED: 9/8/90 BORING COMPLETED: 9/8/90	BLOW	15-13-19	5-9-19	6-11-19	16-24-36
SOIL BORING NO.: SB1-4 SUPERVISORY GEOLOGIST: KATI LOG BOOK/PG. NO. : 4/39-40 DRILLING STARTED: 9/8/90 BORING COMPLETED: 9/8/90	SAMPLE	SB1-4-1	s81-4-2	SB1-4-3	\$81-4-4 16-24-36
SOIL BOR SUPERVIS LOG BOOK DRILLING BORING C	DEPTH (FT BLS)	0.0	8 .0	10.0	0. 2. P. 7

Site Fil	Science Applications International Corporation No03-0349-XX CountyALCN					6] -	5		Page of
Site Fil	e Name FT WAYNE FANGE								ompletion Depth_40
	No N/A								Rotary Depth <u>N/A</u>
	ingle <u>DSSIAN IND</u> Sec. 9 T. 29 R	12	Date	: St	art _	14	///	9/	Finish
Boring	Location N 1267198.659				AM	PLES	3) [Personnel G - Tom LIBATINEZLY
Drilling	E 634544, 499		ş	2	ecove	35.3	10	J. Car	G-TOM LEATHERLY D-TIM CRAVE H-DAVE JULIUS
Elev.	DESCRIPTION	Depth	į	apute	a a digital	6 2	Valvos		н -
-		in feet	s (i)	45	3	7	2		REMARKS 55- SPLIT S POON
	() [FIL] GRAVELLY SILT, SOME CLAY, SOME COBBLES (SOME CONSTRUCTION DEBEIS; LOOSELY COMPACTED BUT ROLLS INFO SHORT CORDS OF SILT & CLAY WHICH CRUMBLE EASILY, BLOWN 10 YR 3/3.		9	8		7	2-2-8	8	N - 0 - 0 - 0 - 0 - 0
		5,0-							Siac NO TOH ND
-	(DECI] CLAY AND SILT, SOME GRAVEL . 1048 3/1 MOTITLED	- - - - - - - - -	(P	5 5	X	7	5-8-3	100- 300	DLAB ANAL: 136NEWG 110 ppb TOWNER 180 ppb SVOC 1900 ppb LEAD 27.4 ppm TH NO
-	3 [my sich & CLAY, TRC. V. CSE SAND. REC.; 1:1/ 104 R.311 V. Dr G744.		(3)	\$ 5	X	У	1-3.5	190-250	1
-	D[M] SILT AND CLAY, SOME GRAVEL, JOYR 3/; 1. DK GRAY, TRC V. CSE SAND. REC: 1.25'	20	④	દ	X	pi	5-1-15	250	•
	(5) [m] SILT & CLAY Some V. CGE SAUD, DENSE & COMPACTED AND CRUMOUS W/EFFORT. REC: 1.3' 10 YR 3/1 V. DE GRAY.	السلسلسة	<u></u>	55	X	N	9-17-20	10:30	Bb = 2-5 PAm
-	(B)[ML) SILT & CLAY, GRAVEL, V. CSE SAND. DENSE. GAPACIO PODELY SORTED. REC: 1.2/ 10423/1 v. DC GRAY	30.0	(b)	45	X	ħi	re-19-9	700	
	DIMIJ SILT & CLAY, U. CSE SAND, SOME GRANEL. 104R4/1 DIL GRAY. B-8	350	Ð	45	X	у	4-7-10	ď	(1) 1/46 MAL: (140 73.6 jim 5001 ND VX ND TH ND

Site Fil	No63-0349-XX CountyA/LEN				3	ring SB i SB i-	-6	•	Page of initor Well No /A
Site Fil	Name FT WAYNE TANGE								ompletion Depth 36.5
Fed. ID	. No							_	Rotary Depth N/A
Quadra	ingle OSSIAN IND Sec. 9 T. 29 R								
	Location 1267376,494	_	_			PLE:			Personnei
	E 634536,918				A Sec	1515	1		G-TOM WEATHELY D-TIM CRANK
Drilling	Equipment CIME 75. HSA: 140 16 HAMMER	>	\$	1 to	P P	Had/	3		H - DAVE JULIUS H -
Elev.	DESCRIPTION	Depth in feet	3	Sem	Serre	3	>	T §	REMARKS
E	DANY SILT & CLAY, SOME PEBBES (5mm), TRC V. (SE SAND, 10 YR 3/3 BROWN; LOSSELY COMPACED; SOME		0	95	X	y	3-5-5	. 0	SS-SPLIT SPOON BG-BACKGROUND
F	FING (GRASS ROOTS)						m		(A3 BUAL)
E									THE ND SUCC NO
F	_	-5 0 -							vcc pd
E									
E		FE							
_	3) TOP. 5/ [ML] SILT & CLAY, U. CSG SAND, SMALL GRAV. EL (2mm) ABOUT 5%. BROWN; SUBA. REC: 110'		•				0/	-70	DAG ANNE:
F	FL (amm) ABOUT 5%, BROWN; SUBA, REC; 1.0' ROTTOM E'S TOW TO LITTLE CLAY LOVE 4/1 FRAY' (mm-		(3)	绐	\succeq	У	5-7-10	So -	TPH ND
F	BOTTOM, 5'[M] SICT & CLAY. 10 YR 4/1 GRAY; COM- PACTED BUT CRUMBLES EASILY.						1.	- 1	Skoc ND Yes ND
F	(3, [ML] SILT & CLAY, LARGER GRANCLS, TRL V. CSE SAND SIZE PARTICLES (RND) WHICH ARE USEY DK GRAY.		(3)	45	X	y	S-S-6	90	BLAB ANN: TO LEAD THE PEN HAS PEN
E	10 YR 3/3 BROWN DONSLY COMPACTED AND CRUMBUS ONLY AFTER ROLLIAL FOR ABOUT 15 SECONDS.	150	(%)	1		/	À	B	1794 mD
<u> </u>	REC; .11								Suc hij Voc Na
Ē									
	1) [mi] sind CLAY W/ TRL GRAYELS (2-3mm). NYR 4/2	-30,R					81-1		
Ė	A) MILY SIT OF CLAY W/ TRL GRAYELS (2-3mm). NOVR 4/2 BROWN; CRUMBIE'S EASILY; V. DENSE & COMPACTED, REC: 1:11		3	5 5.	\succeq	Ŋ	81-81-9	35	
F									
F			1				20		
E	(B)[mi] SILT & CLAY TRE GRAVEL (2mm). 104R3/1	-)×.0-	A	45	X	V	1-6-	0	BG-= 2-3 APM
E	V. DK GRAY; DENSELY LOMPACTED - BREAKS W/ PRES- SURE; SUBA, REC: 1.1'		(e)	9 7			7		LEAD ID I JOHN
E		<u> </u>							CN JOY
<u> </u>	6) [ML] SILT & CLAY, TRE GRANVLES (2mm). 10483/	30.0	1				8		Seac Ma
Ė	VIDE GRAY; SUBR TO SUBA; SI MOIST; PLASIC.		F	45	\boxtimes	N	4-8-8	86	BG = 1 PPM
F	i :		1						
E	FIDE IN SAND SOME GRAVEL , 10 YR3/1 V. DK GRAY . BOTTOM INSTRUCT & CLAY . 10 YR 3/1 V. DK GRAY ;								
F	DENSE; PLASTIC; SAT. REC; 1, 2	35.0	9	155	abla		4-8-10	32	LAD TIM
E	B-9	F =	$ \mathcal{V} $	2		Y	4	,	TIH NO SUBC MD NOC NO
			1	1 1	:		. !		

Site File	No. 03-0349 - XX County ALLEN				Ĭ.	ring 31 56/	· 1		Page of	
	Name FT WAYNE " IT NGB								ompletion Depth 16.5	
	No N/A							_	Rotary Depth NA	
Quadra	ngle	<u> </u>	Date): St	art ,	_//	<u>/5</u>	19/	Finish	
Boring	Location N 1267247,629			S	AM	PLE	S		Personnel	
	E 634468.413				Overy	\$ 5.	Acres	(BM)	G-TOM WEATHRY D-TIM CRANK	
Drilling	Equipment CME 75; HSA; 14016 HAMP	NER	5	P Typ	le Rec	4.3	S sa	0	H - DAVE SULIUS H -	4
Elev.	DESCRIPTION	Depth in feet	S S	Samp	Seme	45	7	T	REMARKS	
	DIMIT SILT & CLAYATRO PEBBLIS , SOME CSE SAND, FINE 1200 15 MI SAMPLE, DK BROWN, SC MOIST, SUBR; SL. COMPACTED, REC: 1.01 (10 YR 413)	-25	O	4 ⁵ 7,	X	y	5-3-3	86	SS-SPLIT SADON BG-BACKGROUND DLABANALI LEAD IN TO FROM PARTS-160-380 APID YOU - FOSS. TAB LUNGAME TPH ND	
	[ML] SILT & CLAY, SOME GRAVEL, PEBBLES TO 9mm 10YR 3/3 DK BROWN, POOR SORT, DENSE; COM-P PACTED; NON-PLASTIC; V. S.L. MOIST. REL., 75'	7.5	٨	55	X	Y	₹-3-€	Bis	BANAL SH.I PAN 71-TICOPPO TPH 200 PPM VCC POSS lato Countries	
-	(3) TOP .4' [mi] SILT & CLAY, TRC PERBUS (3mm), 104R3/3 DK BROWN; COMPACTED; DEWSE; BOTTOM 1.0' [mi] SILT & CLAY, TRC SMALL PERBUS (2mm), 104R4/1 V. DK GRAY; DENSE; COM - PACTED; NOW-PLASTIC	-/50 -/75	3	B	X	у	8-10-4	198	DEND 26.9 VOC pers les centen TPH ND SVOC ND	
	B-10									

3	Science Applications International Corporation		Fid	old	Bo	ring Bi	Lo - 6	9	Page of
	No. 03-6349-XX County ALLEN				lo.Ć	Bl	4-1)Mc	onitor Well No <u>N/A</u>
	Name FT WAYNE TANGE								ompletion Depth 21-5
Fed. ID									Rotary Depth NA
	ngle <u>(055/AN, IND</u> Sec. 9 T. 29 R	12	Date					_	
Boring	Location N 1267161.329		\vdash	S	AM	PLE	S F I		G - 10 M WERNEELY
Drilling	E 63444 1.327 Equipment CM5 75; HSA : 140 16 HAMMER		ş	Type	Recov	17.77	5	D OF	D-TIM CRANK H-DAVE JULIUS
Elev.	DESCRIPTION	Depth in feet	Sample	Semme	Sample	7	¥ > 2	で言	REMARKS
milin	DEMILY SILT, CLAY, SOME CSE SAND, TRC PEBBLES. SUBR TO SUBA. REC: .81 10 YR 4/3 DK BROWN		0	65	X	У	3-6-7	R6	SS-SPLIT SPOON BG-BACKGROUND DNR-DATA NOT EXCREDED PAS ANAL! LEAD 33.9 ppin
وروارو	DEMI] SILT & CLAY, SOME PERRIES (2mm), 10483/3 BROWN; CRUMBLES EASILY; SUBR TO SUBA; REC. 1.2	5.0	@	ર્કક	X	y	3.5-6	90	VOC - pess. labeaum SVOC ND TEH ND BG = 1 PPM (DIAB ANAL) LEAO 31.3 ppm
	(3) [ML] SILT & CLAY, JOME PEBBLES (2mm), 104 R 3/3 DE BROWN; DRY; NON-PLASTIC; CRUMBLES EASILY. REC: DWR (4) [ML] SILT & CLAY, SOME SUBA PEBBLES (4mm), 104 R3/, V. DK GRAY. DRY; CRUMBLE & EKILY; SL. COMPAG- ED. REC 1.5"	15.0		45 45	DIE X	y	1-10-15 7-15-29	1 28	VOC - Possilab SVOC ND CCATRIN, TPH ND BG = 1 PPM 3 LABANAL! TI APM VOC POSSILAB TPH, SVOC NO CUSTRIN. BG = ± 1 PPM
	ED. REC 1.5. S)[MY SILT & CLAY, SOME PEBBLES (3 MM), 10 YR 3/3 DK GRCY; DEINSE; COMPACT; V. SL: PLASTIC.	200	0	55	X	y	7-12-19	98	LEAD 11. t VOC POSS. lab untam.
	B-11)S							SVOL MB TPH ND

I

Site File Fed. ID Quadra	No		Boris Surf Aug	ng N ace er D : St	Elev epth ert	31 29 -//	9.5	Ma Lc		
Boring	Location N 1267118,218 E 634547.588		-	,	AM	PLE:	tews!	Pro)	G FORM WEATHERLY D-TIM CRANK	
Drilling Elev.	Equipment CME 75: HSA: 14016 HAMM DESCRIPTION	MER Depth	of afor	regide Typ	ngte Rec	46,4	Values B	- ID	H - DAVE JULIUS H -	
	DIMIT SILT & CLAY, LARGE COBBUS (9cm), SOME V. CSE SAND. ICYR 3/4 & 3/3, POSSIBLY CONSTRUCTION DEBRIS PRESCRIT, REC: 1,25	in fact	<u>s</u>	5 5		y	3.5-9 M	1 88	REMARKS 55 - SPLIT SPOON BG - BACKGLOWN D DAB ANAL: LEAD 21. 6 PPM TOWNERS: 25C PPD PAH: 500-1300 VCC 90% lub Contam.	
	DIMI SILT & CLAY, SOME GRAVEL (6M), STRC V. USE SAND, 10YR 3/3 BK BOWN, SI COMPACION NON-PLASTIC; POOR SOLT, REC: 91'	7.5	(3)	45	X	У	2-3-7	98	DLAB ANAL: LEAD 9 PPM TOLUBE: 170 PID VOC: PESS lab WOLL DATEM. SYOC ND	
	Binibili & CLAY, TRC PEBBLES (2mm), 10YR 3/2.5- DIE BROWN; DENSE; SL: COMPACTED; CRUMBUS W/EFFORT; BREAKS APART; PORRLY SART. REC! 1.0'	/0,0 /,),5	3	65	X	y	6-13-17	98	BG = PPM (3) LAB ANAL: TOWERE 1, DECEPPE VOC: PESS. lab CONTAM. SVEC: ND	
	B-12									

Site Fil	No. <u>C3-0349-XX</u> County <u>ALL EN</u>	1			26	1-1	Log O ∑) M	Page of
Site Fil	Name FT WAYNE " TANGE							Completion Depth
Fed. 1D	No. N/A							Rotary Depth <u>N/4</u>
Quadra	ingle <u>055/AN IND</u> Sec. 9 T. 29 R	12	Date	: Sta	rt _	<u> </u>	4/9/	Finish
Boring	Location N +26-7118:318 1267169.512			S	AMP	£S		Personnel
	E 134547,588 634386,429		٠	2	Parent AL PSIA		44/	G - TOM WCONERLY D - TIM CRANK
Drilling	Equipment CME 75; HSA; HO 16 HAMMER		2	4	Pe Pe	\$	4	H-DAVE JULIUS H-
Elev.	DESCRIPTION	Depth in feet	S	5			T	REMARKS
	(DEM) SILT & CLAY, SOME CSE TO V. CSC SAND. 10YR 3/3 DK BROWN, TRC PEBBLES, REC; 65'	111	0	55	\mathbb{X}_{0}	/[:	7 7	
E	<u> </u>	- 극			ľ	-	8	DIR DATA NOT BELOWED
E	GUADA AUGARIA FAMILIA FAMILIA							TOLVENE 160 P.O.D
E	SANDYSOME PERBLES. DK BROWN; MOIST, RUC: 1.05' (1983)	50	(D)	45	ZI,		5-7	PAH 300-164.700 POSTUDA NOS 700 LAS ANALY PAN
_	[. 4		1	7			TP14 1,400 pplo
	E	Ŧ				l		roluche 160 pob possIAB Vocs
-	Brown; DENSE; MOIST; PRASTIC; SUBR.	10.0-		+	,	, !	AK O	(2) LAB ANAL
	Brown; prise; waist; rotalic, sour,	Ħ	9	45	¥۱		a ×	LEAD 10.7 PPM
E	\	· H						PAH 81-94 ppb
	\$ TOP:3' 104R 3/3 DK BROWN.	15,0		\sqcup			27.7	ANSS. LABYX,
	BOTTOM 1.2 [MI] SILT & CLAY, SOME PEBBUS (2MM)	/ = = = = = = = = = = = = = = = = = = =	(4,	X)	/	2 - 4 2 - 4	14 LAS 71.8
	10YR4/1; V. DENSE; SUBR.	- ∃						TOUENE 640 POS LAB VICES
	DEGRAY REC. 1.51	_ =						TPH NO STILL NO
Ē	[[YM] SILT AND CLAY, TRC PEBBUTS (4mm). 10/184/	<i>)</i> 4,0=	(E)	45	X.	/	7-01-2	15 LEAD 10.7 TOWENE 370
E	(5) LYML SILT AND CLAY, TRC PEBBLES (4mm), 10/RA/ C V. DK GRAY; DENSE; V. SL: MOIST; NON-PLASTICE REC; 1,35;	. 크	,	f	7	ı	7	DOSS LAB VICS
	E E	=				l		TPH ND Svoc No
Ē	<u> </u>	25,0		Ì		Ì		
		7				ı		
	l E	Ħ		I		l		
	<u>E</u>	. 3						
E	E	Ξ			١			
	<u> </u>	. 4			İ			
E	l E	3						
E		· ∃	i					
	B-13	. =		ļ	İ	-		

INDIANA ANG SITE INVESTIGATION, FORT WAYNE, INDIANA SOIL BORING LOG

SITE 2

DRILLING COMPANY: MATHES ENV. SERV. DRILLER: K. BUNSELNEYER RIG TYPE: CNE - 550
LAND SURFACE ELEVATION: 800.23 MSL TOTAL DEPTH DRILLED: 40 BLS TOTAL DEPTH ELEVATION: 760.23 MSL
SOIL BORING NO.: SB2-1 SUPERVISORY GEOLOGIST: KATE FOX LOG BOOK/PG. NO. : 4/18-24 DRILLING STARTED: 8/28/90 BORING COMPLETED: 8/28/90

	<u>></u>	~	-				
RESULTS (PPN)	~	o	0	0	•	¥	0
LEL RESULTS X	BKGD	#KG	BK GD	BKGD	BKGD	BK ©	BKG
LITHOLOGIC DESCRIPTION	GRAVEL; SANDY; FINE SAND TO COARSE PEBBLES; TRC CLASTS (UP TO SCM). 10YR 5/2 GRAYISH BROWN; POORLY SORT; RND; LOGSE; NON-PLASTIC; SLIGHTLY MOIST.	2-3':GRAVEL; SANDY; FINE SAND TO COARSE PEBBLES; TRC CLASTS (UP TO 5CM). 10YR 5/2 GRAYISH BROWN; POCRLY SORT; RND; LOOSE; NON-PLASTIC; SLIGHTLY WOIST. 3-4': GRAVELLY CLAY; SOME SILT; TRC FINE TO COARSE SAND. 2.5Y 5/2 - 5Y 4/1 GRAYISH BROWN TO DARK GRAY; POCRLY SORT; CLASTS RND (UP TO 2CM); SLIGHTLY DENSE; SLIGHTLY PLASTIC; SLIGHTLY WOIST. CLAY; SOME SILT; SOME FINE TO COARSE SAND. 2.5Y 5/4 LIGHT OLIVE BROWN; MOIST.	GRAVELLY CLAY; SOME SILT; TRC FINE TO COARSE SAND, 2.5Y 5/2 -5Y 4/1 GRAYISH BROWN TO DARK GRAY; POORLY SORT; CLASTS RND; (UP TO 2CM); SLIGHTLY DENSE; SLIGHTLY PLASTIC; SLIGHTLY MOIST. CLAY; SOME SILT; SOME FINE TO COARSE SAND. 2.5Y 5/4 LIGHT OLIVE BROWN; MOIST.	CLAY; TRC TO SOME SILT; SOME COARSE SAND TO FINE TO MED PEBBLES. 5Y 4/3 OLIVE MOTTLED WITH BLACK CLAY 2.5Y 2/0; POORLY SORT; RND TO SUBR (SAND LESS ROUNDED); DENSE; PLASTIC; MOIST	CLAY; TRC TO SOME SILT; SOME COARSE SAND TO FINE TO MED PEBBLES. 10YR 5/4 YELLOWISH BROWN MOTTLED WITH 10YR 5/1 GRAY; POORLY SORT; RND TO SUBR (SAND LESS ROLNDED); DENSE; PLASTIC; MOIST.	CLAY; TRC TO SOME SILT; SONE COARSE SAND TO FINE TO WED PEBBLES. SALT AND PEPPER COLOR; POORLY SORT POCKETS OF FINE TO COARSE SAND; RND TO SUBR (SAND LESS ROLMDED); DENSE; PLASTIC; MOIST.	CLAY; TRC TO SOME SILT; SOME COARSE SAMO TO FINE TO MED PEBBLES. SALT AND PEPPER COLOR; POORLY SORT; RND TO SUBR (SAMD LESS ROUNDED); DENSE; PLASTIC; MOIST.
LITHOLOGIC SYMBOLS	20 12 0 0 20 12 0 0 20 12 0 0						
SOIL TYPE (USCS)	3	ਰੋ ਹ	ಕ	ಕ	ರ	ಕ	ರ
RECOVERY (FT)	1.2	1.2	m.	1.3	X	1.5	1.5
BOTTOM SAMPLE (FT BLS)	2.0	0.	6.0	9 .0	10.0	12.0	14.0
TOP OF SAMPLE (FT BLS)	0.0	2.0	0.4	6.0	8.0	10.0	12.0
BLOW	18-18-17	5-8-10	6-10-12	11-13-14	14-20-23	8-16-23	14-22-37
SAMPLE	SB2-1-1	SB2-1-2	S82-1-3	SB2-1-4	SB2-1-5	SB2-1-6	SB2-1-7
DEPTH (FT BLS)	0.0	5.0	4.0	0.9	0.0	10.0	12.0

₹ ETS	-	_	_	_	er 2	_	, 			~
RESULTS (PPN)	0	0	0	•	*	0	0-1	•	•	0
LEL RESULTS	ЭКСО	BKGD	BKG	BKGD	BKGD	B K@	BKGC	BK©	BKGD	BK GO
LITHOLOGIC DESCRIPTION	CLAY; SOME SILT; SOME FINE TO V. COARSE SAMD; TRC FINE PEBBLES. 10YR 4/4 DARK YELLOMISH BROWN MOTTLED WITH 10YR 5/1 GRAY; POORLY SORT; RND; DENSE, PLASTIC, MOIST.	CLAY; TRC TO SOME SILT; SOME V. FINE TO V. COARSE SAND; TRC FINE TO MED PEBBLES (UP TO 1CM). 10YR 4/1 DARK GRAY; POCRLY SORT; RND; DENSE, PLASTIC, MOIST.	CLAY; TRC TO SOME SILT; SOME V. FINE TO V. COARSE SAND; TRC FINE TO MED PEBBLES (UP TO 1CM). 10YR 4/1 DARK GRAY; POORLY SORT; RND; DENSE, PLASTIC, MOIST.	CLAY; TRC TO SOME SILT; SOME V. FINE TO V. COARSE SAND; TRC FINE TO WED PEBBLES (UP TO 10M). 10YR 4/1 DARK GRAY; POORLY SORT; RND; DENSE, PLASTIC, MOIST.	CLAY; TRC TO SOME SILT; SOME V. FINE TO V. COARSE SAND; TRC FINE TO WED PEBBLES (UP TO 1CM). 10YR 4/1 DARK GRAY; POCRLY SORT; RND; DENSE, PLASTIC, MOIST.	CLAY; TRC TO SOME SILT; SOME V. FINE TO V. COARSE SAND; TRC FINE TO MED PEBBLES (UP TO 1CM). 10YR 4/1 DARK GRAY; POCRLY SORT; RND; DENSE, PLASTIC, NOIST.	CLAY; TRC TO SOME SILT; SOME V. FINE TO V. COARSE SAND; TRC FINE TO WED PEBBLES (UP TO 1CH). 10YR 4/1 DARK GRAY; POORLY SORT; RND; DENSE, PLASTIC, MOIST.	CLAY; TRC TO SOME SILT; SOME V. FINE TO V. COARSE SAND; TRC FINE TO WED PEBBLES (UP TO 1CM). 10YR 4/1 DARK GRAY; POORLY SORT; RND; DENSE, PLASTIC, MOIST.	CLAY; TRC TO SOME SILT; SOME V. FINE TO V. COARSE SAND; TRC FINE TO MED PEBBLES (UP TO ÍGH). 10YR 4/1 DARK GRAY; POORLY SORT; RND; DENSE, PLASTIC, MOIST.	CLAY; TRC TO SOME SILT; SOME V. FINE TO V. COARSE SAND; TRC FINE TO MED PERRIES (HP TO 1CM). 10VP 4/1 DARK GRAY: POTELY SORT.
LITHOLOGIC Symbols										
SOIL TYPE (USCS)	ರ	ರ	ಕ	ರ	ಕ	ಕ	ರ	ಕ	ಕ	ಕ
RECOVERY (FT)	1.83	1.83	æ	1.83	æ	1.83	1.83	1.83	1.83	1.83
BOTTON SAMPLE (FT BLS)	16.0	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
TOP OF SAMPLE (FT BLS)	14.0	16.0	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0
BLOW	24-40-55	20-24-32	13-19-25	11-17-25	12-15-27	10-15-25	12-16-29	13-17-27	11-18-18	15-17-22
SAMPLE	SB2-1-8	SB2-1-9	SB2-1-10	SB2-1-11	SB2-1-12	SB2-1-13	SB2-1-14	SB2-1-15	SB2-1-16	SB2-1-17
DEPTH S (FT BLS) N	-									

		>	`` Z			
RESULTS (PPM)	0	•	•			
LEL RESULTS X	BK ©	B KG	9K 69			
LITHOLOGIC DESCRIPTION	CLAY; TRC TO SOME SILT; SOME V. FINE TO V. COARSE SAND; TRC FINE TO MED PEBBLES (UP TO 1CM). 10YR 4/1 DARK GRAY; POORLY SORT; RND; DENSE, PLASTIC, MOIST.	CLAY; TRC TO SOME SILT; SOME V. FINE TO V. COARSE SAND; TRC FINE TO MED PEBBLES (UP TO 1CM). 10YR 4/1 DARK GRAY; POORLY SORT; RND; DENSE, PLASTIC, MOIST.	0-3" : CLAY; TRC TO SOME SILT; SOME V. FINE TO V. COARSE SAND; TRC FINE TO WED PEBBLES (UP TO 1CH). 10YR 4/1 DARK GRAY;	SOME IN TO COARSE SAND; TRC SILC, MUISI. 3-9" : AQUIFER MATERIAL. GRAVEL; V. FINE TO COARSE PEBBLES; SOME FINE TO COARSE SAND; TRC SILT. 10YR 5/1 GRAY; POORLY SORT;	KND TO SUBK; LOUSE, MUN-PLASILL; SAT. 9-15": CLAY; SOME TO AND V. FINE SAND; SOME SILT; TRC COARSE SAND TO MED PEBBLES. 10YR 4/1 DARK GRAP; POORLY SORT; SUBR TO BAND: V. DENSE: MON TO SIGHTLY PLASTIC: LET.	
SYMBOLS				900 900 900	χ ο: •:	
SOIL TYPE LI (USCS)	ช	ರ	ರ	3	ಕ	
RECOVERY (FT)	1.83	1.83	1.2			
BOTTOM SAMPLE (FT BLS)	36.0	38.0	40.0			
TOP OF SAMPLE (FT BLS)	34.0	36.0	38.0			
BLOW	34.0 \$82-1-18 13-17-27	6-8-12	38.0 s82-1-20 14-45-53			
SAMPLE	82-1-18	36.0 SB2-1-19	B2-1-20			
DEPTH (FT BLS)	34.0 \$	36.0	38.0 \$			

INDIANA ANG SITE INVESTIGATION, FORT WAYNE, INDIANA SOIL BORING LOG

LAND SURFACE ELEVATION: 800.16 MSL TOTAL DEPTH DRILLED: 2 BLS TOTAL DEPTH ELEVATION: 798.16 MSL

DRILLING COMPANY: MATHES ENV. SERV. DRILLER: K. BUNSELMEYER RIG TYPE: CNE - 550

SOIL BORING NO.: SB2-2 SUPERVISORY GEOLOGIST: KATE FOX LOG BOOK/PG. NO. : 4/18-24 DRILLING STARTED: 8/30/90 BORING COMPLETED: 8/30/90

DEPTH (FT BLS)	SAMPLE () NUMBER	BLOW	TOP OF SAMPLE (FT BLS)	BOTTON SAMPLE (FT BLS)	RECOVERY (FT)	SOIL TYPE (USCS)	LITHOLOGIC SYMBOLS	LITHOLOGIC DESCRIPTION	LEL RESULTS X	HHU RESULTS (PPM)	di Seleta
0.0	\$82-2-1	28-14-12	0.0	2.0	1.2	3		SANDY GRAVEL; FINE SAND TO V. COARSE PEBBLES (UP TO 5CM). 2.57 W4/ DARK GRAY: POORLY SORT: RND TO SIMR: LONSE: MON-	BKGD	±	

SOIL BORING NO.: SB2-3 SUPERVISORY GEOLOGIST: KATE FOX LOG BOOK/PG. NO. : 4/26 DRILLING STARTED: 8/30/90 BORING COMPLETED: 8/30/90

LAND SURFACE ELEVATION: 805.31 MSL TOTAL DEPTH DRILLED: 2 BLS TOTAL DEPTH ELEVATION: 803.31 MSL

DRILLING COMPANY: MATMES ENV. SERV. DRILLER: K. BUNSELWEYER RIG TYPE: CME - 550

7	1	1 ^{>}
	LEL HNU RESULTS RESULTS X (PPN)	•
	LEL RESULTS X	8
	LITHOLOGIC DESCRIPTION	0-1': GRAVEL; COARSE TO FINE PEBBLES (UP TO 2CM); SOME FINE TO COARSE SAND. 2.5Y W4/ DARK GRAY; POORLY SORT; RND TO SUBR; LOOSE; NON-PLASTIC; MOIST. 1-2': CLAYNOY; SOME V. FINE TO V. COARSE SAND; TRC COARSE TO FINE PEBBLES. 2.5Y 4/2 DARK GRAYISH BROWN; POORLY SORT; RND; SLIGHTLY DEWSE; SLIGHTLY PLASTIC; MOIST.
	LITHOLOGIC SYMBOLS	
İ	SOIL TYPE (USCS)	ಕ ರ
	RECOVERY (FT)	5:1
	BUTTOM SAMPLE (FT BLS)	2.0
	TOP OF SAMPLE (FT BLS)	0.0
2 /22/2	BLOW	SB2-3-1 20-16-11
	SAMPLE	SB2-3-1
	DEPTH (FT BLS)	0.0

INDIANA ANG SITE INVESTIGATION, FORT WAYNE, INDIANA SOIL BORING LOG

LAND SURFACE ELEVATION: 800.46 MSL TOTAL DEPTH ORILLED: 2 BLS TOTAL DEPTH ELEVATION: 798.46 MSL

SOIL BORING NO.: SB2-4 SUPERVISORY GEOLOGIST: KATE FOX LOG BOOK/PG. NO. : 4/26 DRILLING STARTED: 8/30/90 BORING COMPLETED: 8/30/90

RESULT (PPH)
LEL RESULTS X
LITHOLOGIC DESCRIPTION
SOIL TYPE LITHOLOGIC (USCS) SYMBOLS
SOIL TYPE (USCS)
RECOVERY (FT)
BOTTON SAMPLE (FT BLS)
TOP OF SAMPLE (FT BLS)
BLOW
SAMPLE
DEPTH (FT BLS)

مينه: المد

DRILLING COMPANY: MATHES ENV. SERV. DRILLER: K. BUNSELMEYER RIG TYPE: CME - 550

RESULTS (PPH)	•
LEL H RESULTS RES X (P	3
LITHOLOGIC DESCRIPTION	0-1': GRAVEL; COARSE TO FINE PEBBLES (UP TO 2CM); SOME FINE TO COARSE SAND. 2.5Y N4/ DARK GRAY; POORLY SORT; RND TO SUBR; LOOSE; NON-PLASTIC; MOIST. 1-2': CLAY-SANDY; SOME V. FINE TO V. COARSE SAND; TRC COARSE TO FINE PEBBLES. 2.5Y 4/2 DARK GRAYISH BROWN; POORLY SORT; RND; SLIGHTLY DENSE; SLIGHTLY PLASTIC; MOIST.
SOIL TYPE LITHOLOGIC (USCS) SYMBOLS	\$2.00 *62.00
SOIL TYPE (USCS)	3 3
RECOVERY (FT)	1.2
BOTTOM SAMPLE (FT BLS)	2.0

0.0

\$82-4-1 15-14-10

0:0

3	Science Applications International Corporation		ield	5	83	-5	-	Page of
	No.:					-		onitor Well No NA
Site File	<i>1</i>	Sur	face	Elev	1. 1	79.9	4 C	completion Depth 41.6
Fed. ID	NoN/A	Aug	er D	epti	13 <u>%</u>	5	—	Rotary Depth NA
Quadra	ngle	Dat	o: St	tert .	10	13	0/	% Finish 10/3 /9/
Boring	ocation N 1268796.426			AM	PLE	S		Personnel
	E 634576,046		2	1	35%	Stores)	(PP)	G-TOM WEATHERLY D-TIM CRANK
Drilling	Equipment ME-75; HSA; 140/6 HAMMER	1 2	1.0	1	A 8/2	3	2	H - DAVE JULIUS
Elev.	DESCRIPTION Depth in feet	S	8	3	748	>	π. <u>§</u>	REMARKS
	() [GW] SAND AND GRAVEL COST SANDS SOME SILT 104 R 3/3 DK BOWN; GRAVEL WELL SORTOD; ANGULAR; NATIVE AND NOW -MATIVE PEBBLES SUBR	E	45	X	y	5-7-7	90°	SS-SPCIT SPOON DNR-DATA NOT REMIDED CLABANAL: LETO 11.3 PPM.
-	TO 2 mm TOP .4' SAND AND GRAVEL BOTTOM:5' CLAY AND SILT 2.5 YR 3/3 OLIVE GRAY. 5.0 1000-PLASTIC.	(Z)	53.	X	نم	6.1.10	90	BY = BACKGROND MHICH MAY 3 PPM AT THIS
	(3) [CL] CLAY AND GILT, DENSE; MOIST, 2.545/6 ,000	(3	55	X	,	4-9-16	95	scretinus. BG = 3 PPM
	A SMI SILT AND CLAY: D.S YR4/S OLIVE BROWN; DONE, 1500	Ð	45	X	2	9-6-4	86	.B6 = 3 ppm
	SERSILITY CLAY. 2548 4/3 BROWN/QUIE BROWN; DENSE; MOIST REC: 1.5'	6	45	X	نم.	3-8-9	00/	
	G[my SILT & CLAY, 10XR 4/1 ; DENSG. REC: 1.5'	(55	X	¥	3-7.9	SD0~70C	GLABANAL: LLAD 8.5 SVOL MO VCC NO THM ND
	PCU SILTY CLAY. 104R 4/1; DENSET. REL: 1.51	Ţ	35	X	٨	2-8-10	0/	
	(B[(i] SILTY (LAY) SOME PERBLESS 104R 4/1; DENSO B-20	É	55	X	N	3-4-7	36	

3	Science Applications International Corporation			eid	- 51	63.	-5	_	
1	No. 03-0349-XX County ALLON			-					onitor Well No NA
1	Name FT WAYNE TANGE								ompletion Depth 41
1	. No								Rotary Depth NA
Quadra	ingle <u>065/AN /ND</u> Sec. 9 T. 29 R /S	2	Date	: St	ert _	14	<u> 2/3</u>	°0/9	7 Finish 10/31/9/
Boring	Location N 1266796,426			S	AMI	PLE	S		Personnel
	E 634576.046		֓֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓		15	132	Nows	TPI)	G-TOM WEATHERLY D-TIM CRAYY
Drilling	Equipment CIME 15: HSA; 140 16 HAMMER		2	å fy	a Te	33	3	Q	H - DAVE JULIUS H -
Elev.	DESCRIPTION	oth leat	S.	S	Sem	40	> 2	7.3	REMARKS
E	F	-					*		SS-SPLIT SPOON
<u> </u>	(9 BW) SAND, MED SAND, SOME SICT, SOME 2- EAR Amm PEBRICS (W. RND); WEA. REC: 1.5'	,,,			\forall	v	6-35-	SE	(3) LAB ANAL: 1840 5.8
F	4mm PEBBLES (W. RNO); WET. REC: 1.5'	֖֖֖֖֖֖֖֖֖֝֟֝֟֝֟֝ <u>֚</u>	P	رو	4	. /	16.	ى	SVOC NO
F	<u> </u>	=							TPH NO
E	[E	-	}		- [
	E-	=	1		l				
E	<u> </u>	-							•
-	E	_	1						
E	· ;	=	l						
F	l . E]						
F	. E		Ì		Ì				
E	 	Ξ							
-	l E	-	1					,	
E	F .	_							
E	l E	=	Ì		Ì				•
=	E	=	•						
E	Ė	=			Ì				
E	F	Į							
		•	Ì					1	
E	F	-							
E	<u>E</u>	-							
E	E		Ì						
E									
E	l E	-							
F	<u> </u>								
F	[=							
F	l E	_		ļį					
المستطيسية	B-21	=			1				
F	I E	Į					!		

Î

Ì

1

Site File	No. 03-0349-XX County ALLCN				S	ring 63 83	-6		Page of
	Name FT WAYNE " TANGE								ompletion Depth 5.5
Fed. ID	NO N/A		Aug	er D	epti	٠	4		Rotary Depth N/A
Quadra	ingle <u>055/AN-JND</u> Sec. 4 T. 29 R	12	Date	: St	art ,	10	131	19	Finish 10/31/91
Boring	Location N 1268822:625			S	AM	PLE	S		Personnel
	E 634558, 123			2	CONST	17,515	Blows	_	G-TOM WEATHERCY D-TIM CRANK H-DAVE JULIUS
	Equipment CME-75: HSA: 140 16 HAMME	CR. Depth	1	de fr	4	* 1 × 1	Saage,	9	H - DAVE JULIUS H -
Elev.	DESCRIPTION (1) TOP .5' (GW) SANDY GRAVEL. 104R 4/1 GRAY.	in feet	S	3,	Sar	3	2	- :	REMARKS
E	,5'-1.0'[Ci] SILTY CLAY, 10YR 9/4 BROWN, 1.0'-1.5' [GW] SANDY BRAVEL, 10YR 4/1 GRAY		0	45	X	^	7-2-4	***************************************	BG = BACKGROWD O LAG AMAL:
	The to Loop bridge that the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the tr	E	}						LEAD 13.5 Apm Dilter. 98 ppm
	·	2,5	1						PAH 240-660
		E :	•						VOC ND "
-	D[Ci] SIGY CLAY. LOYR 4/4 BROWN; SOME SAND,	F	1	-					(2 LAS ANAL!
		50	3	53	IX	>	-4-3	33	1 ((()
E	•			-	<u> </u>	}			JUOE ND
F	·	-	}	}					V:0 10
F		E :	1						
F		E	1						
E		E	1						
E			1						
E		F =							
E		E	1						·
المساليساليساليسا		F	1						
E.		E	1						
E		E :	1				1		
F		F =	1						1
E		E	1						
F		E							
		E	}	1					
E	,	E	}						
=		E =	}	!	İ			İ	
E	B-22				ļ				

INDIANA ANG SITE INVESTIGATION, FORT WAYNE, INDIANA SOIL BORING LOG

•	7 <i>∈7</i>	, >	
/. SERV.	LEL MMU RESULTS RESULTS X (PPN)	9	0
NATHES ENT MEYER D	LEL RESULTS	E KG	BKG
LAMD SURFACE ELEVATION: 793.35 MSL TOTAL DEPTH DEPTH ELEVATION: 788.35 MSL TOTAL DEPTH ELEVATION: 788.35 MSL	LITHOLOGIC DESCRIPTION	SAND; V. COARSE TO FINE GRAIN; SOME FINE TO COARSE SAND. 2.5Y WZ/ BLACK WITH SOME 2.5Y 4/2 DARK GRAYISH BROWN PEBBLES; POORLY SORT; RND TO SUBR; LOOSE; NON-PLASTIC; MOIST.	CLAY; TRC SILT; TRC FINE SAND; TRC COARSE PEBBLES. 10YR 4/2 DARK GRAYISH BROAM MOTTLED LITH 2.5Y 5/1 GRAY; POORLY SORT; RND; DENSE; SLIGHTLY PLASTIC TO PLASTIC; MOIST.
RFACE ELEVATI EPTH DRILLED: EPTH ELEVATIO	SOIL TYPE LITHOLOGIC (USCS) SYMBOLS		
LAND SU TOTAL D TOTAL D	SOIL TYPE (USCS)	3	ರ
	RECOVERY (FT)	5.1	1.2
	BOTTON SAMPLE (FT BLS)	2.0	5.0
8	TOP OF SAMPLE (FT BLS)	0.0	3.0
SOIL BORING NO.: \$84-1 SUPERVISORY GEOLOGIST: KATE FOX LOG BOOK/PG. NO. : 4/27 DRILLING STARTED: 8/30/90 BORING COMPLETED: 8/30/90	BLOW	6-11-20	6-12-18
ING NO.: S DRY GEOLOG PG. NO.: STARTED: WPLETED:	SAMPLE	SB4-1-1	SB4-1-2
SOIL BOR! SUPERVISC LOG BOOK, DRILLING BORING CC	DEPTH (FT BLS)	0.0	3.0

INDIANA ANG SITE INVESTIGATION, FORT WAYNE, INDIANA SOIL BORING LOG

SITE

9	, , , , , , , , , , , , , , , , , , ,	, >	>-
/. SERV.	RESULTS (PPM)	0	•
: NATHES ENVELNEYER	LEL RESULTS R	BK G0	BKGD
LAND SURFACE ELEVATION: 792.02 MSL TOTAL DEPTH DRILLED: 5 BLS TOTAL DEPTH ELEVATION: 787.02 MSL	LITHOLOGIC DESCRIPTION	CLAY; TRC SILT; TRC FINE TO COARSE PEBBLES. 2.5Y 4/4 OLIVE BROWN; POORLY SORT; RND; DENSE; PLASTIC; MOIST.	CLAY; TRC SILT; TRC FINE TO COARSE PEBBLES. 2.5Y 5/4 LIGHT OLIVE BROWN MOTTLED WITH 2.5Y 5/1 GRAY; POORLY SORT; RND; DENSE; PLASTIC; MOIST.
RFACE ELEVAT EPTH DRILLED EPTH ELEVATI	SOIL TYPE LITHOLOGIC (USCS) SYMBOLS		
LAND SU TOTAL D TOTAL D	SOIL TYPE (USCS)	ಕ	ಕ
į	S RECOVERY T (FT) (U	1.2	1.2
	BOTTOM SAMPLE (FT BLS)	2.0	0.0
ŏ	TOP OF SAMPLE (FT BLS)	0.0	ъ 0.
SOIL BORING NO.: SB4-2 SUPERVISORY GEOLOGIST: KATE FOX LOG BOOK/PG. NO. : 4/27 DRILLING STARTED: 8/30/90 BORING COMPLETED: 8/30/90	BLOW	SB4-2-1 13-10-10	8-12-16
ING NO.: S ORY GEOLOG /PG. NO.: STARTED:	SAMPLE		\$84-2-2
SOIL BOR SUPERVIST LOG BOOK, DRILLING BORING CO	DEPTH (FT BLS)	0.0	ю 0.

INDIANA ANG SITE INVESTIGATION, FORT WAYNE, INDIANA SOIL BORING LOG SITE 4

		,	
/. SERV.	RESULTS (PPN)	£	ž
MATHES ENV. MEYER 50	LEL MNU RESULTS RESULTS X (PPN)	BKGD	BK®
LAND SURFACE ELEVATION: 789.18 MSL TOTAL DEPTH DRILLED: 5 BLS TOTAL DEPTH ELEVATION: 783.18 MSL TOTAL DEPTH ELEVATION: 783.18 MSL	LITHOLOGIC DESCRIPTION	CLAY; TRC SILT; TRC FINE TO COARSE PEBBLES. 10YR 3/2 V. DARK GRAYISH BROWN; POORLY SORT; RND; SLIGHTLY DENSE; PLASTIC; MOIST.	CLAY; TRC SILT; TRC FIME TO COARSE PEBBLES. 2.5Y 5/4 LIGHT OLIVE BROWN MOTTLED WITH 2.5Y 5/1 GRAY; POORLY SORT; RMD; DENSE; PLASTIC; MOIST.
RFACE ELEVAT EPTH ORILLED EPTH ELEVATION	LITHOLOGIC Symbols		
LAND SU TOTAL D TOTAL D	SOIL TYPE (USCS)	ಕ	ಕ
	RECOVERY (FT)	1.2	1.0
	BOTTOM SAMPLE (FT BLS)	2.0	۰. 0
ŏ	TOP OF SAMPLE (FT BLS)	0.0	w 0.
SOIL BORING NO.: \$84-3 SUPERVISORY GEOLOGIST: KATE FOX LOG BOOK/PG. NO.: 4/28 DRILLING STARTED: 8/30/90 BORING COMPLETED: 8/30/90	BLOW	SB4-3-1 6-10-19	\$84-3-2 7-11-17
ING NO.: S NRY GEOLOG 196. NO.: STARTED:	SAMPLE	\$84-3-1	\$84-3-2
SOIL BOR SUPERVISA LOG BOOK, DRILLING BORING CC	DEPTH (FT BLS)	0.0	3.0

		>	
SERV.	RESULTS (PPN)	*	£
MATHES ENV. WEYER O	LEL RESULTS 6	BKG0	8 8
DRILLING COMPANY: NATHES ENV. SERV. DRILLER: K. BUNSELNEYER RIG TYPE: CME - 550	LITHOLOGIC DESCRIPTION	GRAVEL; CLASTS RANGE FORM 5-6CM TO FINE SAND. 10YR 5/1 GRAY; POORLY SORT; SUBR TO SUBA; LOOSE; NON-PLASTIC; SAT.	CLAY; TRC SILT; TRC FINE TO COARSE PEBBLES. 2.5Y 5/4 LIGHT OLIVE BROWN MOTTLED WITH 2.5Y 5/1 GRAY; POORLY SORT; RND; DENSE; PLASTIC; MOIST.
LAND SURFACE ELEVATION: 793.34 MSL TOTAL DEPTH DRILLED: 5 BLS TOTAL DEPTH ELEVATION: 788.34 MSL	1	GRAVEL; CLASTS RANGE I POORLY SORT; SUBR TO	CLAY; TRC SILT; TRC FI OLIVE BROWN MOTTLED W DENSE; PLASTIC; MOIST
RFACE ELEVA EPTH DRILLE EPTH ELEVAT	LITHOLOGIC SYMBOLS		9
LAND SUI TOTAL DI TOTAL DI	SOIL TYPE (USCS)	3	ಕ
	RECOVERY (FT)	, rż	1.7
	BOTTON SAMPLE (FT BLS)	2.0	5.0
XO.	TOP OF SAMPLE (FT BLS)	0.0	3.0
SOIL BORING NO.: S84-4 SUPERVISORY GEOLOGIST: KATE FOX LOG BOOK/PG. NO.: 4/29 DRILLING STARTED: 8/30/90 BOOKING COMPLETED: 8/30/90	BLOW	¥	X
SOIL BORING NO.: SB4-4 SLPERVISORY GEOLOGIST: KAI LOG BOOK/PG. NO.: 4/29 DRILLING STARTED: 8/30/90	SAMPLE	SB4-4-1	\$84-4-2
SOIL BOR SUPERVISA LOG BOOK, DRILLING BORING CK	DEPTH (FT BLS)	0.0	3.0

INDIANA ANG SITE INVESTIGATION, FORT WAYNE, INDIANA SOIL BORING LOG

SITE 4

SERV.	HNU RESULTS (PPN)	*	ğ
MATHES ENV MEYER 0	LEL HINU RESULTS RESULTS X (PPH)	BK GO	B KB
LAND SURFACE ELEVATION: 795.44 MSL TOTAL DEPTH DRILLED: 5 BLS TOTAL DEPTH ELEVATION: 790.44 MSL RIG TYPE: CME - 550	LITHOLOGIC DESCRIPTION	SILTY CLAY; SOME TO AND SILT; TRC COARSE TO COARSE PEBBLES; COAL CHUNKS. 2.5Y 5/2 GRAYISH BROWN; POORLY SORT; RND; DENSE; SLIGHTLY PLASTIC; MOIST.	CLAY; TRC SILT; TRC FINE TO COARSE PEBBLES. 2.5Y 5/4 LIGHT OLIVE BROWN MOTTLED WITH 2.5Y 5/1 GRAY; POORLY SORT; RND; DENSE; PLASTIC; MOIST.
RFACE ELEVAT EPTH DRILLED EPTH ELEVATI	SOIL TYHOLOGIC (USCS) SYMBOLS		
LAND SU TOTAL D TOTAL D	SOIL TYPE (USCS)	ಕ	ಕ
	RECOVERY (FT)	1.2	5.5
	BOTTOM SAMPLE (FT BLS)	3.0	0.0
XO.	TOP OF SAMPLE (FT BLS)	1.0	3.0
SOIL BORING NO.: SB4-5 SUPERVISORY GEOLOGIST: KATE FOX LOG BOOK/PG. NO. : 4/29-30 DRILLING STARTED: 8/30/90 BORING COMPLETED: 8/30/90	BLOW COUNT	SB4-5-1 40-50-23	SB4-5-2 10-18-25
SOIL BORING NO.: S SUPERVISORY GEOLOG LOG BOOK/PG. NO.: DRILLING STARTED: BORING COMPLETED:	SAMPLE	\$84-5-1	\$84-5-2
SOIL BORI SUPERVISO LOG BOOK/ DRILLING BORING CO	DEPTH (FT BLS)	1.0	3.0

Site File	No. 03-0344 - XX County ALLEN			Boi S	BY	-(•	Page of initor Well No _ <i>X</i> / 1	
Site Fil	Name FT WAYNE IANGE	Sur	face	Elev		87.	ક્સ	ompletion Depth <u>25.5</u>	
Fed. ID	No	Aug	er D	epth	عـ ا	4,	<u>5</u> /	Rotary Depth 1/A	
Juagra	ngle	Dat	e: S	tart .	10	130	19	/ Finish 10/38/91	
Boring	Location N 126 95 4 6.481			SAM	PLE	S		Personnel G - 70M WEATHERLY	
	E 635213,465	. .	8	COVETY	3	Blows	(KEN)	D. TIM M. CRANK H. Davië D. Julus	
Drilling	Equipment (ME-75. HSA: 14016 HAMMER	ž	1	2 2		whee	adres	H •	
Elev.	DESCRIPTION Depth in fee		8	S	į	2	8	REMARKS	
	MED ASPHALT, REC: ,7' SOME GRAVE! TO 5 mm SOME SILT WITH CLAY I SAND B20WN 10/R 5/3		55		¥	6-7-1	, IRP	SS-SPLAT SPOON BG = 1 PPM BACKGROUD DINK - DATA NOT BECORDED (T) LAB ANAL: LEAD 0.2 PPM	1
•	BLACK CONSE MATERIAL W/J. COURSE SAND. BOTTOM & SILT & CLAY BROWN / BRAY MOTTUD, REC. 1.3' (10 YR 4/3 w) 10 YR 4/1) CALL		155	X	y	5-4-13	8.8	13 TEN 84-210 AD	1
	(3) CLAY AND SICT, REC: 2.0/	3	65	X	N	7-13-20	25	TEAD 0.2 ppm Townie 0.7 ppb TPH NO	1
•	O DK GRAY SILTY CLAY; WOLST, PLASTIC; NOVR 4/1.	£	65	X	i,	PAIR	9-6		
	[GW] 6) GRHELLY SAND - POORLY SORNO; PEBBLES TO 10 MM; GRAY - DK GRAYSSALT & PEPPBE APPEARANCE; 10YR 3/2. 20,0. REC. 1. 2.0	<u> </u>	55	X	'n	717817	8		
	(CL) 6 CLAY W/61LT SOME PERBURS (SUBR TO W. RWD): PLASTIC SL. MOIST, POYR 3/3 DK GREY. REC: DWR		55	Calif.	ÿ	01-9-7	Re	BG FOR SAMPIK # 6 WAS DEPAN-SEPTIM CO LAB ANAL: LEAD 0.2 ppm TPH/O:L 150 p.pm TPH/DICK! 98 ppm TOLLENE 1.6 ppb	1. 1
	B-28	11111111							

	Site File	No. 03-0349-XV County ALIEN			≤	5D4	الماري)		Page of
		•	Suri	isce	Elev	79	1.60	_c	ompletion Depth_60
			Aug	er D	epth	ئــ ا	4,5	_	Rotary Depth NA
		ngle <u>055/AN IND</u> Sec. 9 T 29 R /2	Date	o: S1	tart ,	_/	0/3/	j /2	Finish 10/31/9/
	Boring	ocation N 12 6 97 07 . 137			SAM				Personnel
	-	E 635 033.558		2	Assec	11/5/5	Moses	- 1	G-TOM VEATAERLY D-TIM CRANK
	Drilling	Equipment CME 75: HSA: 14016 HAMMER	18	1 5	Pe Re	8 / Je	-		H - DAVE JULIUS
	Elev.	DESCRIPTION Depth in fee		155	S	7.48 Z	2	-6	REMARKS
		DIMY SILT W/CLAY & Some CSE SAND. 104R4/3; DENSE; COMPACTED.	3 0	65	X	_	3-5	:	45-SPLIT SPOON 46-BACKGROUND
		<u> </u>	₹"	-					OLAB ANAL: LEAD O.Zpm
		£ ,_	3						TPH/0:L 40PPM TPH/DIEX! 12 PPM
		2.5	7						13 TEN NO
,		E.	Ę						
		@ [mi] SILT AND WAY, TRE CSE SAND (~102); DONSE	7	_			9/1		2 LAB ANAL: LEAD 0.2 ppm
		a Compacted = 5.00	₹ ∂) 55	,[X	/~		ď	TPH ND
ì		E .	7	_]	7		(TOWERE) 3.5 PPD
	Ē	E '	7		}				
1	E	E 7.5.	3	Ì					
	F	E	7						
Ì	F	-	7						
	E	l E	7						•
İ	F	F	F						
	E	E.	3						
	E	E	7						
•	F		7						
	F		histori						
_	E		3						
	E	E	4						
~	F	Į į	7	-					
	F	F	7						
۵	E	E	3	İ					
	F		日						
	E	B-29	且	1	-	1	!	<u>l</u>	

I

Site Fi	Science Applications International Corporation le No03-0349-XX				S	ring 84 84	- g	•	Page of
j	Site File Name FT WAYNE IANGB								ompletion Depth 16
Fed. ID. No. No. N/A									Rotary Depth N/4
Quadra	angle <u>055/AN /ND</u> Sec. 9 T. 29 R	/2_	Date	: St	art .	11.	<u> </u>	91	Finish
Boring	Location N 1269899.317			5	AM	PLE	5		Personnei
	£ 635128,215			2	Covery	ALTSIS.	Blows	(44)	G. TOM WEATHERLY D. TIM CRAVE H. DAYE JULIUS
Elev.	DESCRIPTION	<i>ER</i> I Depth	1	mgde T	4	W SH	Valves	U.S.	H •
E	(1) NO DESCRIPTION WAS CECORDED, REC9'	in feet	3	S	3	7	2		REMARKS SS_SPLIT SPON
E		E E	n	ø	Д	y	7-5-	. 38	BG = 3-5 PPM
Ė		F		\vdash			~		1 LEAD 19.3 1PM
	·	2.5							TPH ND Brex ND
	·								
E		E							
<u> </u>	D[ML] SILT AND CLAY. 10YR 5/3 BROWN WITH SOME GRAY MOTTLING. TRE (SE SAND; DEASE & COM-	Eso=			∇		7-1	0	B6 = 3-5 Ppm
	PACTOD, REC9'	E =	3	4,	$\langle \cdot \rangle$,	2-4-	06-01	(2) LAS ANAL.
	·	F							BTEX C.48 pp b
-	•	F _ =							(TOLVENE) LEAD 11.7 FOM
		F 7.5							
		E =							
	(3) [M] SILT AND CLAY SOME CSE SAND. 10YR 3/3; DENSE & COMPACTED; MUIST, REC: 1.5'	E					8		•
		10.0	(3)	55	X	Į,	7.	98	BG = 3-5 Apm
. Î.		E		-	\angle		8		
È	·	E E							
		13.5			,				
		F							
	@[m] SILT AND CLAY. 10 YR3/1; DENSÉ À COMPACIED;								(A) 100 A 101 .
-	MOIST. ACC: 1.5'	15,0	<u></u>	≤ 5	\bigvee		8-9	28	(4) LAB ANAL: LEAD 10.1 pp.m
E			$ \oint $	<i>-</i> 23	\bigvee	Y	5-6	æ	TPA/DIL 27 pgm TPA/DIESEL 16 pem
E									BTEK NO
	,	17.5			İ				
	B-30	E							
	1 2-50	\mathbf{F}		-	- {	!	1		

ı

515KF4	1/K 14. a47	>-	~
	HINU RESULTS (PPM)	6	o
MATHES ENV MEYER	LEL RESULTS X	BKGD	B KGD
BKGD BKGD ATION: MSL DRILLING COMPANY: MATHES ENV. SERV. DRILLING COMPANY: MATHES ENV. SERV. BUSSELNEYER FIG TYPE: CME - 550	LITHOLOGIC DESCRIPTION	CLAY; SOME SILT; SOME V. FINE TO V. COARSE PEBBLES; POOR SORT; RND TO SUBR; 10YR 3/3 - 4/3 DK. BROWN TO BROWN; SLIGHTLY DENSE; SLIGHTLY PLASTIC; MOIST.	CLAY; SOME SILT; SOME V. FINE TO V. COARSE PEBLES; POOR SORT; RND TO SUBR; 10YR 3/3 - 4/3 DK, BROWN TO BROWN WOTTLED WITH 10YR 4/1 DK. GRAY; SLIGHTLY DENSE; SLIGHTLY PLASTIC; MOIST.
SITE BKGD SITE BKGD SURFACE ELEVATION: MS IL DEPTH ELEVATION: MSILLED	SOIL TYPE LITHOLOGIC (USCS) SYMBOLS		· .
LAND SUN TOTAL DI TOTAL DI	SOIL TYPE (USCS)	ಶ	ಕ
	RECOVERY (FT)	1.0	1.5
	BOTTOM SAMPLE (FT BLS)	2.0	5.0
FOX	TOP OF SAMPLE (FT BLS)	0.0	3.0 0.0
~=-	BLOW	86-1-1 12-17-23	¥
86° SOIL BORING NO.: (\$8-8-1-1) SUPERVISORY GEOLOGIST: KAT LOG BOOK/PG. NO. : 4/10-11 BORILLING STARTED: 8/28/90	SAMPLE NUMBER		86-1-2
SOIL BOR! SUPERVISK LOG BOOK! DRILLING BORING CC	DEPTH (FT BLS)	0.0	3.0

Site File	No. 03-0349-XX County ALLEN					56-	- ~	og) Mo	Page of
	Name FTWAYNE EANGE				-				ompletion Depth_39/
Fed. ID.	No NiA							,	Rotary Depth W/A
Quadra	ingle <u>CSS/ANg IND</u> Sec. 9 T 29 R	12	Date	ı: St	ært ,	_//	1/3/	91	Finish
Boring	Location # 1267187.618			8	AM	IPLE	<u>s</u>		Personnel
Deilling	E 634626.554		ક	lype	BCOVER	ACYSIS	D Cows	for.	G-TOM WEATHELLY D-TIM CRANK H-DAVE JULIUS
Elev.	DESCRIPTION	Depth	4	after 1	mpte A	48.48	Valves.		H •
	1) TOP 03' SANDICY: TO VICK SAND. REMAINDER IS	in feet	25	18	S	17	7		REMARKS
	CONGLOMERATE OF ASPHALTS COBBLES. CONCRETE SILT & CLAY. ALMOST LIKE GLACIAL TILL IN APPEARANCE, 10 YR 4 14; DENSELY COMPACTED AND DRY REC! 1.11	E	0	45	F		7-15	120	BG-BACKO BOUND BG= ,5-1 PPM
		ŧ =	3	55	X	У	6.6.1	98	86=.5-1 Ppm
=	DITOP. 3 [SM] SAND, USE TO U. USE SAND, SOME SILT, GRANULES TO DOMM. LOSSELY COMPACTED; DRY.	.50					A	ı	O LAB ANAL: LEAD 30.6 COM
-	BOSTOM . b'[MI] SILT & CLAY SOME PEBBES TRC U. (56 SAND, 104R 4/3; SUBL TO SUBA . (RUMBIES WITH EFFORM BILLY); BREAKS RATHER THAN CRUMBIES (SAND). V. LITTLE MOISTONE. RET. 9.	E	1						TPH 220 ppm Toware 2 ppb
-	V. LITTLE MOISTONE. RUC: ,91								PAH GOODS - 3400
	•	/0.2 E	1						(2) LAB ANAL: LEAD IT, I APM
-		ΕĒ	1						TPH 100ppm Towene 31 ppb
=		E =					İ		PAH 370-1000pb
=		[/S.0_	1						
-		ΕΞ							
		E. E					~		
	(3) [M] SILT & CLAY TRC PEBBLES (2mm). 104R 3/1 VI DK GRAY; V. DENSE AND COMPACT. REC. 1.35	E =	3	45	X	У	1-01-9	86	
-		E =							3 LAB ANAL: LEAD. 9.1 HM
_									TOWER 41 pp b
-		250-	1						PAH ND SUCK NO
		<u> </u>	1						
_		3.0	1						l
		E "=	1						PLAB ANAL.
-		==							TPH NO
-	4) 37 - 39 [ML] SILT & CLAY - LOYR 3/1 V. DK GRAY,	350					2		SUCC ND
	WET to SAT, RGC: 2.0"	= =	1				7.4	7.55	SAMPLE A) WAS A TWO
	B-32	==	0	45	V	7	3	<u>a</u>	FOOT SAMPLING INTERVAL,

I

Î

5	Science Applications International Corporation No.: 03-0349-XX County ALLITS				B	6-			Page of
ł	Name FT WAYNG" TANGE			_					npletion Depth 30.5
1	No N/A							_	otary Depth <u>N/A</u>
1	ingle <u>DSSIAN IND</u> Sec. 9 T. 29 R		•		-	_	1		1
l	Location N 1268664.986		<u> </u>		AMP			T	Personnel
Boring	E 635319.343				È ,	8 1		E G	TOYN WEATHERLY
Drilling	Equipment (INE 75: HSA: 140/bs HAMME)	0	ş	Y	Reco	3	1 C	ğН	- DAVE JULIUS
Elev.	DESCRIPTION	Depth in feet	Semp	Sample	Sample				REMARKS
	[MI] SILT & CLAY, TRC. PCBBLES (Jmm), 104R 9/1 [MI] SILT & CLAY, TRC. PCBBLES (Jmm), 104R 9/1 DK GRAY; SUBA TO SUBL; CRUMBICS : SILLY; DENSO & COMPACTED, NOT PLASTIC; SL MOIST, PREC: 1.4	-10.0 -15.0	⊕ ⊕		X	У	9-10		S-SPLIT SPOON SC-BACKGROUND BE = ,2 PPM LEAD 20.6PPM TOWERE 110 PPB TPH ND SVCC ND BG = .2 PPM QLAB ANAL: LEAD 93 PPM VOL STEEL ND
المتنانين المسامين المسامين المسامين	(3) Em] SAND, FINE SAND, SOME SILT. 10YR 4/1; SAT TO V MOIST. B-33	300		歩	X	y	21-34-46	986	SIOC ND

.

INDIANA ANG SITE INVESTIGATION FORT WAYNE, INDIANA WELL BORING LOG

SITE FTA

NV. SERV.	MNU RESULTS (PPM)	2	¥	¥
MATHES E LMEYER 50	LEL RESULTS X	BK GD	8 4.60	8
DRILLING COMPANY: NATHES ENV. SERV. DRILLER: K. BUNSELMEYER RIG TYPE: CME - 550	LITHOLOGIC DESCRIPTION	CLAY; SOME TO AND SILT; SOME V. FINE TO V. COARSE SAND; SOME V. FINE TO V. COARSE PEBBLES. 2.5Y 3/2 V. DARK GRATISH BROWN; POORLY SORT; RND TO SUBR; MED DENSE; SLIGHTLY PLASTIC; MOIST	CLAY; SOME SILT; SOME V. FINE TO V. COARSE SAND; TRC V. FINE TO V. COARSE PEBBLES. 57 3/1 - 3/2 VERY DARK GRAY TO DARK OLIVE GRAY; POORLY SORT; RND TO SUBR; DENSE; PLASTIC; MOIST.	CLAY; SONE TO AND SILT; SONE V. FINE TO V. COARSE SAND; TRC V. FINE TO MED PEBBLES. 2.57 3/2 - 4/2 VERY DARK GRAYISH BROWN TO DARK GRAYISH BROW; POORLY SORT; RND TO SUBR; V. DENSE; SLIGHTLY PLASTIC; SLIGHTLY MOIST TO MOIST.
LAND SURFACE ELEVATION: 804.37 MSL TOTAL DEPTH DRILLED: 47.24 BLS TOTAL DEPTH ELEVATION: 757.13 MSL COMPLETION DEPTH: 47.24 BLS	SOIL S TYPE LITHOLOGIC C (USCS) SYMBOLS R	CL CLAY; SOME TO AND STI	CL CLAY; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SOME SILT; SO	CL CLAY; SOME TO AND STI V. FINE TO MED PEBBLE TO DARK GRAYISH BROM SLIGHTLY PLASTIC; SLI
3558	RECOVERY (FT)	1:1	0.1	. .
	BOTTOM SAMPLE RE (FT BLS)	2.0	12.0	17.0
×	TOP OF SAMPLE (FT BLS)	5.0	10.0	15.0
WELL BORING NO.: MW1-1 SUPERVISORY GEOLOGIST: KATE FOX LOG BOOK/PG. NO. : 3/46-47 DRILLING STARTED: 9/6/90 WELL COMPLETED: 9/6/90	BLOV	3-5-8-13	2-4-4-8	- 15.0 MV1-1-3 6-11-13-17 - -
BORING NO.: MW1-1 WVISORY GEOLOGIST: ROOK/PG. NO.: 3/4 LING STARTED: 9/6/90	SAMPLE	0.0 - - - 5.0 MW1-1-1	10.0 MU1-1-2	M-1-1-3
WELL BORING NO.: MW1-1 SUPERVISORY GEOLOGIST: KAT LOG BOOK/PG. NO. : 3/46-47 DRILLING STARTED: 9/6/90 WELL COMPLETED: 9/6/90	DEPTH (FT BLS)	0.0	B-34	

ı		1				
DESC.	(FA)	£	¥	£	Z	¥
LEL	*	9 KGD	A G	8 60	BKG0	860
TITHOLOGIC DESCRIPTION		CLAY; SOME TO AND SILT; SOME V. FINE TO V. COARSE SANDS; TRC V. FINE TO NED PEBBLES. 2.5Y 3/2 - 4/2 VERY DARK GRAYISH BROWN TO DARK GRAYISH BROWN; POORLY SORT; RND TO SUBR; V. DENSE; PLASTIC; MOIST.	CLAY; SOME TO AND SILT; SOME V. FINE TO V. COARSE SANDS; TRC V. FINE TO MED PEBBLES. 2.5Y 3/2 - 4/2 VERY DARK GRATISH BROWN TO DARK GRAYISH BROWN; POORLY SORT; RND TO SUBR; V. DENSE; PLASTIC; MOIST.	CLAY; SOME TO AND SILT; SOME V. FINE TO V. COARSE SANDS; TRC V. FINE TO MED PEBBLES. 2.5Y 3/2 - 4/2 VERY DARK GRAYISH BROWN TO DARK GRAYISH BROWN; POORLY SORT; RND TO SUBR; V. DENSE; PLASTIC; MOIST.	CLAY; SOME TO AND SILT; SOME V. FINE TO V. COARSE SANDS; TRC V. FINE TO WED PEBBLES. 2.5Y 3/2 - 4/2 VERY DARK GRAYISH BROWN TO DARK GRAYISH BROWN; PORRLY SORT; RND TO SUBR; V. DENSE; VERY PLASTIC; V. MOIST TO WET.	GRAVEL; V. FINE TO V. COARSE PEBBLES (UP TO 4CM); SOME V. FINE TO COARSE SAND; TRC \$1LT. 2.57 3/2 VERY DARK GRAYISH BROWN TO 4/2 DARK GRAYISH BROWN; POORLY SORT; RND TO SUBR; LOOSE; NON-PLASTIC; SAT.
S C 2150 DG1C C						
SOIL		ರ	ರ	ರ	ರ	3
RECOVERY	(FT)	1.2	2.5	1.2	1.45	6.
BOTTOM SAMPLE	(FT BLS)	22.0	27.0	32.0	37.0	42.0
TOP OF	(FT BLS)	20.0	25.0	30.0	35.0	0.0
BLOW		3-6-9-15	3-9-11-18	3-8-11-16	2-5-5-7	2-5-8-13
SAMPLE		MJ-1-4	25.0 Mu1-1-5	30.0 MU1-1-6	Md1-1-7	40.0 M41-1-8
DEPTH		20.0	25.0	0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	35.0	

s	I
RESULTS (PPM)	¥
LEL RESULTS RE X (8
LITHOLOGIC DESCRIPTION	025', SAND; V.FINE TO V. COARSE; SOME V. FINE TO MED PEBBLES. 2.57 3/2 - 4/2 VERY DARK GRAYISH BROWN TO DARK GRAYISH BROWN; POCRLY SORT; RND TO SUBR; LOOSE; NOW-PLASTIC; SAT25-1.8', CLAY; SOME TO AND SILT; TRC TO SOME V. FINE SAND TO MED PEBBLES. 57 4/1 DARK GRAY; DENSE; SLIGHTLY PLASTIC; MOIST.
LITHOLOGIC C SYMBOLS R	
SOIL TYPE I (USCS)	35
RECOVERY (FT)	e.
BOTTOM SAMPLE (FT BLS)	67.0
TOP OF SAMPLE (FT BLS)	0.54
BLOW	45.0 Mt1-1-9 16-38-32-34 45.0
SAMPLE	MV1-1-9
DEPTH (FT BLS)	45.0

SITE FTA

NO.: MU1-2	SUPERVISORY GEOLOGIST: KATE FOX	NO. : 3/43-44	RTED: 9/6/90	COMPLETED: 9/6/90
WELL BORING NO.:	SUPERVISORY	LOG BOOK/PG.	DRILLING STA	WELL COMPLET

LAND SURFACE ELEVATION: 807.23 MSL TOTAL DEPTH DRILLED: 52.56 BLS TOTAL DEPTH ELEVATION: 744.67 MSL COMPLETION DEPTH: 52.56 BLS

DRILLING COMPANY: MATHES ENV. SERV. DRILLER: K. BUNSELMEYER RIG TYPE: CME - 550

WELL	WELL COMPLETED: 9/6/90	06/9/6						ŀ		
DEPTH (FT BLS)	H SAMPLE LS) NUMBER	BLOW	TOP OF SAMPLE (FT BLS)	BOTTOM SAMPLE (FT BLS)	RECOVERY (FT)	SOIL TYPE (USCS)	LITHOLOGIC C SYMBOLS R	LITHOLOGIC DESCRIPTION	LEL RESULTS X	HWU RESULTS (PPM)
Ó	0.0									
'n	5.0 MJ1-2-1	2-4-4-7	5.0	7.0	1:0	ರ	CLAY; 1 GRAYIS! 1 GRAYIS! 1 YELLON!	CLAY; TRC TO SOWE SILT; TRC FINE TO MED. SAND. 2.5Y 4/2 DARK GRAYISH BROWN MOTTLED WITH 10YR 5/1 GRAY AND 10YR 5/6 - 6/6 Yellowish brown to brownish Yellow; poorly sort; dense; plastic; Moist.	BKGD	•
⊭ B-37	10.0 MV1-2-2	2-2-4-4	10.0	12.0	6.0	ರ	CLAY; SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY SANOY	CLAY; TRC TO SOME SILT; TRC V. FINE TO MED PEBBLES (3-5MM) AND SANDY LAYERS (SEVERAL GRAINS THICK); V. FINE TO COARSE SAND. 2.5Y 4/2 DARK GRAYISH BROWN MOTTLED WITH 10YR 5/1 GRAY AND 10YR 5/6 - 6/6 YELLOWISH BROWN TO GROWNISH YELLOW; MOD TO WELL SORT; DENSE; PLASTIC; MOIST.	35	0
2 .	15.0 MV1-2-3	2-4-6-11	15.0	17.0	1.0	ಕ	CLAY; DARK O PLASTI	CLAY; SOME SILT; TRC FINE SAND TO MED PEBBLES. 5Y 3/1 - 4/1 V. Dark gray to dark gray; poorly sorted; rwd; dense; slightly Plastic to plastic; slightly moist.	8	•

_	1				
RESULTS (PPM)	•	•	2	¥	¥
LEL RESULTS X	8	BKG	80	8	8
LITHOLOGIC DESCRIPTION	CLAY; SOME SILT; TRC TO SOME V. FINE TO COARSE SAND; TRC V. FINE TO COARSE PEBBLES (UP TO 2CM). 5Y 4/1 - 5/1 DARK GRAY TO GRAY; POORLY SORT; RND; DENSE; SLIGHTLY PLASTIC; SLIGHTLY MOIST.	CLAY; SOME SILT; TRC TO SOME V. FINE TO COARSE SAND; TRC V. FINE TO COARSE PEBBLES (UP TO 2CM). 57 4/1 - 5/1 DARK GRAY TO GRAY; POORLY SORT; RND; DENSE; SLIGHTLY PLASTIC; SLIGHTLY MOIST.	CLAY; SOME TO AND SILT; SOME V. FINE TO COARSE SAND; TRC V. FINE TO COARSE PEBBLES (UP TO 2CM). 5Y 4/1 - 5/1 DARK GRAY TO GRAY; POORLY SORT; RND; DENSE; SLIGHTLY PLASTIC; SLIGHTLY MOIST.	CLAY; SOME SILT; TRC TO SOME V. FINE TO COARSE SAND; TRC V. FINE TO COARSE PEBBLES (UP TO 2CM). 5Y 4/1 -5/1 DARK GRAY TO GRAY; POORLY SORT; RND; DENSE; SLIGHTLY PLASTIC; SLIGHTLY MOIST.	CLAY; SOME SILT; TRC TO SOME V. FINE TO COARSE SAND; TRC V. FINE TO COARSE PEBBLES (UP TO 20M). 57 4/1 - 5/1 DARK GRAY TO GRAY; POORLY SORT; RND; DENSE; SLIGHTLY PLASTIC; SLIGHTLY MOIST.
S LITHOLOGIC C SYMBOLS R					
SOIL TYPE L (USCS)	ಶ	ಠ	ರ	ಠ	ರ
RECOVERY (FT)	4.	æ0	5	5.	6.0
BOTTOM SAMPLE (FT BLS)	22.0	27.0	32.0	37.0	42.0
TOP OF SAMPLE (FT BLS)	20.0	25.0	30.0	35.0	0.04
BLOW	6-10-15-24	61-01-2-9	6-15-20-22	4	18-30-35-31
DEPTH SAMPLE (FT BLS) NUMBER	20.0 Mu1-2-4	. 25.0 MV1-2-5	30.0 MI1-2-6	35.0 MV1-2-7	

LEL HNU RESULTS RESULTS X (PPM)	#	~
LEL RESULTS X	8 9	88
LITHOLOGIC DESCRIPTION	GRAVEL; V. FINE TO V. CDARSE PEBBLES (UP TO 5CM); SOME V. FINE TO V. CDARSE SAND; TRC SILT. 5Y 4/1 DARK GRAY; POORLY SORT; RND TO SUBR; LOOSE; NON-PLASTIC; SAT.	GRAVEL; V. FINE TO V. COARSE PEBBLES (UP TO 5CM); SOME V. FINE TO V. COARSE SAND; TRC SILT. 5Y 4/1 DARK GRAY; POORLY SORT; RND TO SUBR; LOOSE; NON-PLASTIC; SAT.
SOIL TYPE LITHOLOGIC C USCS) SYMBOLS R		
SOIL TYPE (USCS)	3	₹
RECOVERY (FT)	0.	2.0
BOTTON SAMPLE (FT BLS)	67.0	52.0
TOP OF SAMPLE (FT BLS)	45.0	50.0
SCUNT	45.0 MV1-2-9 4-12-16-21 - -	- 50.0 MV1-2-10 7-17-24-38 - -
SAMPLE	11-2-9	11-2-10
DEPTH (FT BLS)	45.0 æ	¥ 0.000

SITE HWSA

SUPERVISO LOG BOOK/ DRILLING WELL COMP	SOCK/PG. NO.: 4/3 ING STARTED: 9/7/90 COMPLETED: 9/7/90	LOG BOOK/PG. NO. : 4/31-35 DRILLING STARTED: 9/7/90 WELL COMPLETED: 9/7/90	Ĭ			TOTAL	TOTAL DEPTH DRILLED: 58.19 BLS TOTAL DEPTH ELEVATION: 742.88 MSL COMPLETION DEPTH: 58.19 BLS	DRILLER: K. BUNSELMEYER RIG TYPE: CME - 550	D SEE SEE	
DEPTH (FT BLS)	SAMPLE	BLOW	TOP OF SAMPLE (FT BLS)	BOTTON SAMPLE (FT BLS)	RECOVERY (FT)	SOIL TYPE (USCS)	S LITHOLOGIC C LITHOLOGIC SYMBOLS R	DESCRIPTION	LEL RESULTS X	HNU RESULTS (PPM)
0.0										
0, , , , ,	5.0 MW2-1-1	2-3-4	5,0	0.7	9.	ರ	CLAY; SOME TO AND SILT; SOME V. FINE TO V. COARSE SAND; TRC FINE PEBBLES. 107R 4/3 - 4/4 DARK BROWN TO DARK YELLOWISH BROWN WOTLLED WITH 10YR 5/1 GRAY; POORLY SONT; RND TO SUBR; DENSE; SLIGHTLY PLASTIC; MOIST.	NE TO V. COARSE SAND; TRC FINE N TO DARK YELLOWISH BROWN SORT; RND TO SUBR; DENSE;	BKGD	•
0.0	MA2-1-2	4-9-14-17	0.0	12.0	5.1	ರ	CLAY; SOME TO AND SILT; SOME V. FINE TO V. COARSE SAND; TRC MED PEBBLES. 10YR 4/3 - 4/4 DARK BROWN TO DARK YELLOWISH BROWN HOTTLED WITH 10YR 5/1 GRAY; POORLY SORT; RND TO SUBR; DENSE; SLIGHTLY PLASTIC; MOIST.	ME TO V. COARSE SAND; TRC MED N TO DARK YELLOWISH BROWN SORT; RND TO SUBR; DENSE;	B KG	•
0. čt	M/2-1-3	5-13-16-19	15.0	17.0	7.0	ರ	CLAY; SOME TO AND SILT; SOME V. FINE TO V. COARSE SAND; TRC FINE TO NED PEBBLES. 10YR 4/3 - 4/4 DARK BROWN TO DARK YELLOWISH BROWN WOTTLED UITH 10YR 5/1 GRAY; POORLY SORT; RND TO SUBR; DENSE; SLIGHTLY PLASTIC; MOIST.	NE TO V. COARSE SAND; TRC FINE RK BROWN TO DARK YELLOWISH POORLY SORT; RND TO SUBR;	8 KG	•

SOUL S SAMPLE RECOVERY TYPE LITHOLOGIC C (FT BLS) (FT) (USCS) SYMBOLS R 22.0 1.7 CL	S SAMPLE RECOVERY TYPE LITHOLOGIC C S) (FT BLS) (FT) (USCS) SYMBOLS R 22.0 1.7 CL	S SOIL SOIL S S RECOVERY TYPE LITHOLOGIC C S) (FT) (USCS) SYMBOLS R 1.7 CL	SOIL TYPE LITHOLOGIC C (USCS) SYMBOLS R	LITHOLOGIC C SYMBOLS R	n U ez	LITHOLOGI	93 120	RESULTS X BKCD	RESULTS (PPN)
					SUBR; DENSE; SLIGHTLY PLASTIC;	6/72 DARK GRAYI	PEBBLES. 2.57R 4/2 DARK GRAYISH BROWN; POORLY SORT; RND TO SUBR; DENSE; SLIGHTLY PLASTIC; MOIST.		·
4-7-11-17 25.0 27.0 1.5 CL	27.0 1.5 CL	1.5 cl	<u> </u>		CLAY; SOME SILT; TRC TO SOME V. FINE TO MED GRAVEL. 5Y 4, SUBR; DENSE; PLASTIC; MOIST.	TRC TO SOME RAVEL. 57 4. STIC; MOIST.	CLAY; SOME SILI; TRC TO SOME V. FINE TO V. COARSE SAND; TRC V. FINE TO MED GRAVEL. 57 4/1 DARK GRAY; POORLY SORT;RND TO Subr; Dense; Plastic; Moist.	8	•
30.0 MAZ-1-6 4-8-11-15 30.0 32.0 1.2 CL CLAY; SOME SILT; SOME V. FINE TO MED PEBBLES. 57 4 V. FINE TO MED PEBBLES. 57 4 SUBR; DENSE; PLASTIC; MOIST.	32.0 1.2 CL	1.2 GL	73		CLAY; SOME SILT; SOME V. FINI V. FINE TO MED PEBBLES. 5Y A SUBR; DENSE; PLASTIC; MOIST.	SOME V. FINI	CLAY; SOME SILT; SOME V. FINE TO V. COARSE SAND; TRC TO SOME V. FINE TO MED PEBBLES. 5Y 4/1 DARK GRAY; POORLY SORT;RND TO SUBR; DENSE; PLASTIC; MOIST.	3	¥
MW2-1-7 4-6-9-14 35.0 37.0 1.4 CL CLAY; SOME TO AND SILT; SOME FINE TO MED PEBBLES. 57 4/1 SUBR; DENSE TO SLIGHTLY DENS SLIGHTLY WET.	37.0 1.4 CL	7.4 G	70		CLAY; SOME TO AND SILT; SOME FINE TO MED PEBBLES. 5Y 4/1 SUBR; DENSE TO SLIGHTLY DENS SLIGHTLY WET.	D SILT; SONE LES. 57 4/1 LIGHTLY DENS	CLAY; SOME TO AND SILT; SOME V. FINE TO V. COARSE SAND; TRC V. FINE TO MED PEBBLES. 5Y 4/1 DARK GRAY; POORLY SORT; RND TO SUBR; DENSE TO SLIGHTLY DENSE; SLIGHTLY PLASTIC; MOIST TO SLIGHTLY WET.	8	•
MAZ-1-8 15-27-50 40.0 42.0 1.0 CL CLAY; SONE TO AND SILT; SON TO MED PEBBLES. 5Y 4/1 DARI DENSE; SLIGHTLY PLASTIC; MO THICK) OF WELL SORT FINE TO	42.0 1.0 C.	1.0 cl	ช		CLAY; SOME TO AND SILT; SOM TO MED PEBBLES. 57 4/1 DARI DENSE; SLIGHTLY PLASTIC; MO THICK) OF WELL SORT FINE TO	SILT; SOM SY 4/1 DARI ST 4/1 DARI LASTIC; MO DRI FINE TO	CLAY; SOWE TO AND SILT; SOWE V. FINE TO WED SAND; TRC V. FINE TO MED PEBBLES. 5Y 4/1 DARK GRAY; WELL SORT; RND TO SUBR; DENSE; SLIGHTLY PLASTIC; MOIST TO WET. THIN LAYERS (1-3 GRAINS THICK) OF WELL SORT FINE TO MED SAND.	8 8	•

HNU RESULTS (PPM)	E	£	¥
LEL RESULTS 1	BKGD	8	8
LITHOLOGIC DESCRIPTION	CLAY; SOME TO AND SILT; SOME V. FINE TO MED SAND; TRC V. FINE TO MED PEBBLES. 5Y 4/1 DARK GRAY; WELL SORT; RND TO SUBR; DENSE; SLIGHTLY PLASTIC; MOIST TO WET.	SAND; V. FINE TO MED; TRC COARSE SAND; TRC SILT. 5Y 4/1 - 4/2 Dark gray to olive gray; well sort; rnd to subr; loose; Non-plastic; sat.	015', SAND; V. FINE TO MED; TRC COARSE; TRC SILT. 5Y 4/1 -4/2 DARK GRAY TO OLIVE GRAY; WELL SORT; RND TO SUBR; LOOSE; NON- PLASTIC; SAT154', SILT; SOME CLAY; SOME V. FINE TO COARSE SAND; TRC TO SOME V. FINE TO MED PEBBLES. 5Y 3/1 - 4/1 V. DARK GRAY TO DARK GRAY; POORLY SORT; RND TO SUBR; V. DENSE; NON-PLASTIC; SLIGHTLY MOIST TO DRY.
S LITHOLOGIC C SYMBOLS R			
SOIL TYPE ((USCS)	ರ	ĝ,	\$ ₹
⋩			
RECOVERY (FT)	6:	. . 6.	7. 0
BOTTOM SAMPLE RECOVE (FT BLS) (FT)	6'1 0'24	52.0 1.6	57.0 0.4
	45.0 47.0	·	
BOTTOM SAMPLE (FT BLS)	45.0 47.0	4-20-54 50.0 52.0	26-33 55.0 57.0
TOP OF BOTTOM SAMPLE SAMPLE (FT BLS) (FT BLS)	47.0	50.0 52.0	55.0 57.0

SITE HWSA

NUMBER COLMT TOP OF BOTTOM (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT BLS) (FT	WELL BORING NO.: MW4-1 SUPERVISORY GEOLOGIST: LOG BOOK/PG. NO. : 3/3/ DRILLING STARTED: 8/3/ WELL COMPLETED: 9/4/90	KATE 4-36 1/90	FOX			LAND SU TOTAL D TOTAL D COMPLET	LAND SURFACE ELEVATION: 796.91 MSL TOTAL DEPTH DRILLED: 54.01 BLS TOTAL DEPTH ELEVATION: 742.90 MSL COMPLETION DEPTH: 53.51 BLS		DRILLING COMPANY: MATHES ENV. SERV. DRILLER: K. BUNSELMEYER RIG TYPE: CME - 550	TER ENV.	SERV.
12-16-21-34 5.0 7.0 1.5 ct. 6-16-22-32 10.0 12.0 0.9 ct. 6-12-14-22 15.0 17.0 1.8 ct.	•	BLOW	TOP OF SAMPLE (FT BLS)	BOTTOM SAMPLE (FT BLS)	RECOVERY (FT)		ഗ വ ജ	ļ	RES	LEL RESULTS R	RESULTS (PPM)
6-12-14-22 15.0 17.0 1.8 CL	1	12-16-21-34	5.0	7.0	5-	ರ	CLAY; SOME SILT TO FI PEBBLES. 10YR 4/3 BR PLASTIC; SLIGHTLY MOI	INE SAND; TRC TO SOME COARS ROWN; POORLY SORT; RND; DEN 1ST.		8	<u>≅</u>
6-12-14-22 15.0 17.0 1.8 CL		6-16-22-32	10.0	12.0	6	ಕ	CLAY; SOME COARSE CLA MED. PEBBLES. 10YR 4 POORLY SORT; DENSE; 5	NY TO FINE SAND; TRC TO SOM 4/3 BROWN MOTTLED WITH 10 Y SLIGHTLY PLASTIC; SLIGHTLY I		S S S S S S S S S S S S S S S S S S S	¥
		6-12-14-22	15.0	17.0	. ø	ರ	CLAY; SOME SILT; SOME PEBBLES. 10YR 4/1 DA SORT; RND TO SUBR.; D	E FINE TO COARSE SAND; TRC NRK GRAY MOTTLED WITH 10YR4, DENSE; PLASTIC; MOIST.		8 8	E

HANU RESULTS (PPN)	4	¥	£	<u>u</u>	£
LEL RESULTS	8	8	8 (9	X	8
LITHOLOGIC DESCRIPTION	CLAY; SOME SILT; SOME FINE TO COARSE SAND; TRC FINE TO MED. PEBBLES. 107R 4/1 DARK GRAY; POORLY SORT.; RND TO SUBR.; DENSE; PLASTIC; MOIST.	CLAY; SOME SILT; SOME FINE TO COARSE SAND; TRC FINE TO MED. PEBBLES. 10YR 4/1 DARK GRAY; POCRLY SORT.; RND TO SUBR.; DENSE; PLASTIC; MOIST.	CLAY; SOME SAND; FINE TO MED. SAND; TRC COARSE SAND; SOME SILT. 10YR 4/1 DARK GRAY; POORLY SORT; RND SUBR; LOOSE; NON-PLASTIC; MOIST TO SLIGHTLY SAT. SAND LENSE FROM 1.3 TO 1.6 FT.	SILTY CLAY; SOME TO AND SILT; SOME V. FINE TO FINE SAND; TRC. COARSE SAND TO FINE PEBBLES. 2.5YR 4/2 - 5/2 DARK GRAYISH BROWN TO GRAYISH BROWN; POORLY SORT; RND; DENSE (BREAKS IN .5 - 1CM LAYERS); NCM-PLASTIC; DAMP TO SLIGHTLY MOIST.	SILTY CLAY; SOME TO AND SILT; 2.5YR 4/2 - 5/2 DARK GRAYISH BROMM TO GRAYISH BROMN; POORLY SORT; RND; DENSE (BREAKS IN .5 - 1CM LAYERS); NOM-PLASTIC; DAMP TO SLIGHTLY MOIST.
S LITHOLOGIC C SYMBOLS R					
SOIL TYPE (USCS)	ಕ	ರ	ರ	ಕ	ರ
RECOVERY (FT)	6.1	2	6.	9.0	6.0
BOTTOM SAMPLE (FT BLS)	22.0	27.0	32.0	37.0	42.0
TOP OF SAMPLE (FT BLS)	20.0	25.0	30.0	35.0	0.04
BLOW	5-8-13-19	4-8-14-21	5-7-9-14	ġ	45-30
SAMPLE	M14-1-4	25.0 MW4-1-5	30.0 MW4-1-6	MJ6-1-7	## - 1 - 8
DEPTH (FT BLS)	20.0	6	B-44	35.0	0.04

DEPTH (FT BLS)	SAMPLE) NUMBER	BLOW	TOP OF SAMPLE (FT BLS)	BOTTON SAMPLE (FT BLS)	RECOVERY (FT)	SOIL TYPE (USCS)	SOIL S TYPE LITHOLOGIC C (USCS) SYMBOLS R	LITHOLOGIC DESCRIPTION	LEL HNU RESULTS RESULTS X (PPN)	RESULTS (PPM)
45.0	45.0 MM-1-9	35-50	45.0	0.74	8.0	ಕ		SILTY CLAY; SOME TO AND SILT; SOME FINE TO COARSE SAND AND PEBBLES (UP TO 1 CM). 2.5YR 4/2 - 5/2 DARK GRAYISH BROWN TO GRAYISH BROWN; POORLY SORT; RND; DENSE (BREAKS IN .5 - 1CM LAYERS); NOM-PLASTIC; DAMP TO SLIGHTLY MOIST.	8	ž
48.5	48.5 MM4-1-10 - 50.0	100	48.5	50.5	0.5	ಕ		SILTY CLAY; SOME TO AND SILT; SOME FINE TO COARSE SAND AND PEBBLES (UP TO 1 CM). 2.5YR 4/2 - 5/2 DARK GRAYISH BROWN TO GRAYISH BROWN; POORLY SORT; RND; DENSE (BREAKS IN .5 - 1CM LAYERS); NOM-PLASTIC; DAMP TO SLIGHTLY MOIST.	BKGD	Œ

SITE POL

DRILLING COMPANY: MATHES ENV. SERV. Driller: K. Bunselheyer Rig Type: Che - 550	LEL HNU RESULTS RESULTS X (PPH)		BKGD	BKGD -1	O C C C C C C C C C C C C C C C C C C C
DRILLING COMPANY: M DRILLER: K. BLWSELM RIG TYPE: CME - 550	LITHOLOGIC DESCRIPTION		CLAY; SOME SILT; SOME FINE TO COARSE SAND; TRC FINE PEBBLES. 10YR 4/3 - 4/4 BROAM TO DARK YELLOHISH BROAM MOTTLED WITH 5Y 5/2 - 4/2 OLIVE GRAY; POORLY SORT; RND; DENSE; SLIGHTLY PLASTIC; SLIGHTLY MOIST.	CLAY; SOME SILT; SOME FINE TO COARSE SAND; TRC FINE PEBBLES. 10YR 4/3 - 4/4 BROWN TO DARK VELLOHISH BROWN MOTTLED WITH 10YR 5/1 - 4/1 GRAY TO DARK GRAY; POORLY SORT; RWD; DEWSE; SLIGHTLY PLASTIC; SLIGHTLY MOIST.	CLAY; SOME SILT; SOME FINE TO COARSE SAND; TRC FINE PEBBLES. 107R \$/3 - 4/4 BROWN TO DARK YELLOWISH BROWN MOTTLED WITH 107R 5/1 - 4/1 GRAY TO DARK GRAY; POORLY SORT; RND; DEWSE; SLIGHTLY PLASTIC; SLIGHTLY MOIST.
LAND SURFACE ELEVATION: 790.68 MSL TOTAL DEPTH DRILLED: 59.38 BLS TOTAL DEPTH ELEVATION: 731.30 MSL COMPLETION DEPTH: 59.38 BLS	LITHOLOGIC C LITH		CLAY; SOME SILT; SOME FI 10YR 4/3 - 4/4 BROMN TO 5Y 5/2 - 4/2 OLIVE GRAY; PLASTIC; SLIGHTLY MOIST.	CLAY; SOME SILT; SOME FI 10YR 4/3 - 4/4 BROWN TO 10YR 5/1 - 4/1 GRAY TO I SLIGHTLY PLASTIC; SLIGHI	CLAY; SOME SILT; SOME FI 10YR 4/3 - 4/4 BROUN TO 10YR 5/1 - 4/1 GRAY TO SLIGHTLY PLASTIC; SLIGHT
LAND SUR TOTAL DE TOTAL DE COMPLETI	SOIL TYPE I (USCS)		ಕ	ಕ	ರ
	RECOVERY (FT)		4.	r.	2
	BOTTOM SAMPLE (FT BLS)		7.0	12.0	17.0
×	TOP OF SAMPLE (FT BLS)		0.0	0.0	15.0
4-02 ST: KATE FOX 3/39-41 9/5/90	BLOW		4-19-14-19	5-9-15-22	4-9-14-20
WELL BORING NO.: MW4-02 SUPERVISORY GEOLOGIST: KATE LOG BOCK/PG. NO. : 3/39-41 DRILLING STARTED: 9/5/90 WELL COMPLETED: 9/5/90	SAMPLE		5.0 M46-2-1 4	ML6-2-2	M.4.2-3
WELL BOR! SUPERVISK LOG BOOK, DRILLING WELL COM	DEPTH (FT BLS)	0.0	B-46	0.01	15.0

HAU S RESULTS (PPM)	#	ž	•	*	¥
LEL RESULTS X	8 8	8 60	3	3	8
LITHOLOGIC DESCRIPTION	CLAY; SOME SILT; TRC FINE TO COARSE SAND; TRC V. FINE TO COARSE PEBBLES (UP TO 3 CM). 10YR 5/1 - 4/1 GRAY TO DARK GRAY; POORLY SORT; RND TO SUBR; DENSE; PLASTIC; MOIST.	0.0 - 1.151; CLAY; SOME SILT; SOME FINE TO COARSE SAND; TRC V. FINE TO COARSE PEBLES. 10YR 5/1 - 4/1 GRAY TO DARK GRAY; POORLY SORT; RND TO SUBR; PLASTIC; WOIST. 1.4 FT SANDY CLAY; SOME TO AND SAND; SOME V. FINE TO COARSE SILT SAND; TRC TO SOME V. FINE TO COARSE PEBBLES (UP TO 10M). 10YR 4/1 - 5/1 DARK GRAY TO GRAY; POORLY SORT; RND TO SUBR; V. DENSE; NON-PLASTIC; SLIGHTLY MOIST TO DRY.	SANDY CLAY; SOME TO AND SAND; SOME V. FINE TO COARSE SILT SAND; TC TO SOME V. FINE TO COARSE PEBBLES (UP TO 1CM). 10YR 4/1 - 5/1 DARK GRAY TO GRAY; POCRLY SORT; RND TO SUBR; V. DENSE; NON-PLASTIC; SLIGHTLY MOIST TO DRY.	SANDY CLAY; SOME TO AND SAND; SOME V. FINE TO COARSE SILT SAND; TRC TO SOME V. FINE TO COARSE PEBBLES UP TO TCM 10YR 4/1 - 5/1 DARK GRAY TO GRAY; POORLY SORT; RND TO SUBR; V. DENSE; NON-PLASTIC; MOIST TO SLIGHTLY WET. LAST 1" SILTY SAND; V. FINE TO COARSE SAND; SOME SILT; SOME V. FINE TO COARSE PEBBLES(UP TO .5CM). 5Y 4/1 - 5/1 DARK GRAY TO GRAY; POORLY SORT; RND TO SUBR; DENSE; NON-PLASTIC; WET.	SANDY CLAY; SOME TO AND SAND; SOME V. FINE TO COARSE SAND; TRC TO SOME V. FINE TO COARSE PEBBLES UP TO 1CM 10YR 4/1 - 5/1 DARK GRAY TO GRAY; POORLY SORT; RND TO SUBR; V. DENSE; NOW-PLASTIC; MOIST TO WET. MATERIAL SILTY SAND; V. FINE TO COARSE SAND; SOME SILT; SOME V. FINE TO COARSE PEBBLES(UP TO .5CM). 5Y 4/1 - 5/1 DARK GRAY TO GRAY; POORLY SORT; RND TO SUBR; DENSE; NOW-PLASTIC; SLIGHTLY SAT.
S LITHOLOGIC C SYMBOLS R					
SOIL TYPE (USCS)	ಕ .	ರ	ರ	ರ	ರ
RECOVERY (FT)	ā	. .	0.1	80.	6
BOTTOM SAMPLE (FT BLS)	22.0	27.0	32.0	37.0	42.0
TOP OF SAMPLE (FT BLS)	20.0	25.0	30.0	35.0	0.0
BLOW	6-12-14-15	2-4-14-45	40-50	35-50	30-50
SAMPLE	ML4-2-4	25.0 M44-2-5	30.0 MM-2-6	35.0 MM-2-7	FF46-2-8
DEPTH (FT BLS)	20.0	25.	B-47	35.0	0.04

ı	ı		
RESULTS (PPR)	±	•	0
LEL RESULTS X	ax ax	BKG0	8
LITHOLOGIC DESCRIPTION	SAMDY CLAY; SOWE TO AND SAND; SOME V. FINE TO COARSE SILT SAND; TRC TO SOME V. FINE TO COARSE PEBBLES (UP TO 1CH) 10YR 4/1 - 5/1 SANC GRAY TO GRAY; POORLY SORT; RND TO SUBR; V. DENSE; MON-PLASTIC; SLIGHTLY SAT. LAST 1" SILTY SAND; V. FINE TO COARSE SAND; SOME SILT; SOME V. FINE TO COARSE PEBBLES(UP TO .5CH). 5Y 4/1 - 5/1 DARK GRAY TO GRAY; POORLY SORT; RND TO SUBR; DENSE; NOM-PLASTIC; SLIGHTLY SAT.	SANDY SILT CLAY-CLAY; SOME SILT; SOME FINE TO COARSE SAND, TRC V.FINE TO COARSE (UP TO 1CM) GRÂVEL. 5YR 4/1 DARK GRAY; POORLY SORT; RND TO SUBR; DENSE; MON-PLASTIC; SLIGHTLY MOIST.	SAND; SOME SILT; TRC CLAY; V. FINE TO V. COARSE SAND; TRC TO SOME FINE TO COARSE PEBBLES (PEBBLES UP TO 2CM). 5YR 4/1 DARK GRAY; POORLY SORT; RND TO SUBR; LOOSE; WON-PLASTIC; SAT.
LITHOLOGIC C SYMBOLS R			1 1 1 1 1 1
SOIL TYPE (USCS)	ಕ	ರ	S.
RECOVERY (FT)	0.7		©
BOTTOM SAMPLE (FT BLS)	0.74	52.0	57.0
TOP OF SAMPLE (FT BLS)	45.0	50.0	55.0
BLOW	45-50	35-65	27-50
SAMPLE	45.0 M44-2-9	50.0 M44-2-10	55.0 MM-2-11
DEPTH (FT BLS)	45.0	50.0	B-48

Well No.	: MW1-01	Drilling Company	:	MATHES ENV. SERV.
U.S.G.S. Coordinates	:	Rig Type	:	CHE - 550
Longt i tude	: 0.00	Driller	:	K. BUNSELMEYER
Latitude	: 0.00	Drilling Started (Date)	:	9/6/90
State Coordinates	:	Drilling Completed (Date)	:	9/7/90
Northings	: 634,506.42	• • • • • • • • • • • • • • • • • • • •	:	
Eastings	: 1,267,167,30	Completion Depth	:	47.24
Reference Point	: TOP OF PVC CASING	- F	:	
Reference Point Elev.	: 807.28	Development	:	
Type of Security	: LOCKING CAP	Date	:	9/8/90
•		Туре	:	COMPRESSED AIR
Supervisory Geologist	: KATE FOX	Volume Removed	:	110 GAL.
Log Book/Page No.	: 3/46-49		:	
	•	Post Devel. Water Level	:	767.29
		Date	:	9/8/90
			:	
		Hydraulic Conductivity	:	MR CM/SEC

MONITORING	WELL AS-BUILT		BLS	MSL
	Steel Casing with Cap and lock	•	NR	804.37
	Top of Riser w/Vented Cap and Eyebolt	+	2.91	807.28
	Land Surface:		0.00	804.37
	Cement Bentonite Grout:	Top Bottom	0.00 3 0.40	804.37 773.97
	Riser:	Top + Bottom	2.91 34.45	807.28 769.92
	Water Level During Drilling:		NR	804.37
	Seal:	Top Bottom	30.40 32.50	773.97 771.87
	Screen:	Top Bottom	34.45 45.13	769.92 759.24
	Sand Pack:	Top Bottom	32.50 47.24	771.87 757.13
	Bottom Sump:	Top Bottom	45.13 47.24	759.24 757.13
Accession of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the American State of the Ameri	Borehole Total Depth:		47.24	757.13

NOT TO SCALE

All measurements in feet unless otherwise noted BLS - Below Land Surface MSL - Mean Sea Level + Indicates an Above Land Surface (ALS) measurement

Well No.	: MW1-02	Drilling Company	: MATHES ENV. SERV.
U.S.G.S. Coordinates	:	Rig Type	: CME - 550
Longtitude	: 0.00	Driller	: K. BUNSELMEYER
Latitude	: 0.00	Drilling Started (Date)	: 9/6/90
State Coordinates		Drilling Completed (Date)	: 9/6/90
Northings	: 634,639.96		:
Eastings	: 1,267,330.69	Completion Depth	: 52.56
Reference Point	: TOP OF PVC CASING		:
Reference Point Elev.	: 810.21	Development	:
Type of Security	: LOCKING CAP	Date	: 9/7/90
		Туре	: COMPRESSED AIR
Supervisory Geologist	: KATE FOX	Volume Removed	: 128.3 GAL
Log Book/Page No.	: 3/43-46		-:
•		Post Devel. Water Level	: 769 <i>.</i> 60
		Date	: 9/7/90
			:
		Hydraulic Conductivity	: NR CM/SEC

MONITORIN	G WELL AS-BUILT		BLS	MSL
	Steel Casing with Cap	+	NR	807.23
	Top of Riser w/Vented Cap and Eyebolt	•	2.98	810.21
	Land Surface:		0.00	807.23
	Cement Bentonite Grout:	Top Bottom	0.00 37.30	807.23 769.93
	Riser:	Top + Bottom	2.98 39.78	810.21 767.45
	Water Level During Drilling	:	40.61	766.62
	Seal:	Top Bottom	34.30 37.30	772.93 769.93
	Screen:	Top Bottom	39.78 50.41	767.45 756.82
	Sand Pack:	Top Bottom	37.30 52.56	769.93 754.67
	Bottom Sump:	Top Bottom	50.41 52.56	756.82 754.67
	Borehole Total Depth:		52.56	754.67

Well No.	: MW2-01	Drilling Company	:	MATHES ENV. SERV.
USGS Coordinates	:	Rig Type	:	CME - 550
Long i tude	: 0.00	Driller	:	K. BUMSELMEYER
Latitude	: 0.00	Drilling Started (Date)	•	9/7/90
State Coordinates Northings	: 634.627.69	Drilling Completed (Date)	:	
Eastings	: 1,268,860.36 : TOP OF PVC CASING	Completion Depth	:	58.19
Reference Point		David anamana		
Reference Point Elev.	: 800.72	Developement	_	0.00.000 *** 0.410.000
Type of Security	: LOCKING CAP	Date Type		9/9/90 to 9/10/90 COMPRESSED AIR
Supervisory Geologist	: KATE FOX	Volume Removed	:	NR
Log Book/Page No.	: 4/31-37	Post Devel. Water Level	:	757.81
		Date	:	8/30/90
		Hydraulic Conductivity	:	HR CM/SEC

	BLS	MSL
Land Surface	0.00	801.17
Flush Mount Vault (approx.) +	MR	801.17
Top of Riser w/Water-tight Cap	0.45	800.72
Protective Casing w/ Locking Cap	MR	801.17
Cement/Bentonite Grout: Top Bottom	NR 41.00	801.17 760.17
Riser: Top Bottom	0.45 45.43	800.72 755.74
Water Level During Drilling:	42.91	758.26
Seal: Top Bottom	41.00 43.00	760.17 7 58.17
Screen; Top Bottom	45.43 56.06	755.74 745.11
Sand Pack: Top Bottom	43.00 58.19	758.17 742.98
Bottom Sump: Top Bottom	56.06 58.19	745.11 742.98
Borehole Total Depth:	58.19	742.98

NOT TO SCALE

Well No.	: MM4-01	Drilling Company	:	MATHES ENV	. SERV.
USGS Coordinates	:	Rig Type	:	CHE - 550	
Longi tude	: 0.00	Driller	:	K. BUNSELM	EYER
Latitude	: 0.00	Drilling Started (Date)	:	8/31/90	
State Coordinates Northings	: : 634,768.31	Drilling Completed (Date)	:		
Eastings Reference Point	: 1,270,008.55 : TOP OF PVC CASING	Completion Depth	:	53.51	
Reference Point Tlev.	: 796.52	Developement			
Type of Security	: LOCKING CAP	Date Type	:	9/4/90 COMPRESSED	AIR
Supervisory Geologist Log Book/Page No.	: KATE FOX : 3/35-38	Volume Removed	:	9 GAL.	
		Post Devel. Water Level	:	748.48	
		Date	:	9/9/90	
		Hydraulic Conductivity	:	NR	CM/SEC

	BLS	MSL
Land Surface	0.00	796.91
Flush Mount Vault (approx.) +	0.10	797.01
Top of Riser w/Water-tight Cap	0.39	796.52
Protective Casing w/ Locking Cap	NR	796.91
Cement/Bentonite Grout: Top Bottom	NR 33.50	796.91 763.41
Riser: Top Bottom	0.39 41.03	796.52 755.88
Water Level During Drilling:	38.90	758.01
Seal: Top Bottom	33.50 38.90	763.41 758.01
Screen: Top Bottom	41.03 51.37	755.88 745.54
Sand Pack: Top Bottom	38.90 54.00	758.01 742.91
Bottom Sump: Top Bottom	51.37 53.52	745.54 742.91
Borehole Total Depth:	54.01	742.90

NOT TO SCALE

Well No.	: MJ4-02	Drilling Company	: MATHES ENV. SERV.
U.S.G.S. Coordinates	:	Rig Type	: CME - 550
Longt i tude	: 0.00	Driller	: K. BUNSELMEYER
Latitude	: 0.00	Drilling Started (Date)	: 9/5/90
State Coordinates Northings	: : 635,550,12	Drilling Completed (Date)	: 9/6/90
Eastings	: 1,270,055.11	Completion Depth	59.38
Reference Point	: TOP OF PVC CASING		:
Reference Point Elev.	: 793.2 7	Development	:
Type of Security	: LOCKING CAP	Date Type	: 9/7/90 : COMPRESSED AIR
Supervisory Geologist	: KATE FOX	Volume Removed	: 55 GAL.
Log Book/Page No.	: 3/39-43	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	:
		Post Devel. Water Level Date	: 756.33 : 9/7/90
		Hydraulic Conductivity	: NR CM/SEC

	•		BLS	MSL
	Steel Casing with Cap	•	2.83	793.51
8 8 8 8	Top of Riser w/Vented Cap and Eyebolt	+	2.59	793. 27
	Land Surface:		0.00	790.68
	Cement Bentonite Grout:	Top Bottom	0.00 41.00	790.68 749.68
	Riser:	Top + Bottom	2.59 46.50	793.27 744.18
	Water Level During Drilling	:	34.30	756.38
	Seal:	Top Bottom	41.00 45.00	749.68 745.68
	Screen:	Top Bottom	46.50 57.25	744.18 733.43
	Sand Pack:	Top Bottom	45.00 59.38	745.68 731.30
20000	Bottom Sump:	Top Bottom	57.25 59.38	733.43 731.30
	Borehole Total Depth:		59.38	731.30

All measurements in feet unless otherwise noted BLS - Below Land Surface MSL - Mean Sea Level (+) Signifies Above Land Surface (ALS) measurements

Well No.	: P-1	Drilling Company	:	MATHES ENV. SERV
USGS Coordinates	•	Rig Type	:	DIE - 550
Longitude	: 0.00	Driller	•	K. BUNSELMEYER
Latitude	: 0.00	Drilling Started (Date)		8/17/90
State Coordinates Northings	: : 635,550.12	Drilling Completed (Date)	:	8/18/90
Eastings Reference Point	: 1,270,055.11 : TOP OF PVC CASING	Completion Depth	:	38.35
Reference Point Elev.	: 786.74	Developement		
Type of Security	: LOCKING CAP	Date Type		8/20/90 COMPRESSED AIR
Supervisory Geologist Log Book/Page No.	: KATE FOX : 3/8-10	Volume Removed	:	18 GAL. APPROX.
tog book, age no.	. 5,0 .0	Post Devel. Water Level	:	756.93
		Date	:	8/30/90
		Hydraulic Conductivity	:	NR CM/SEC

		BLS	MSL
Land Surface		0.00	787.13
Flush Mount Vault (approx.)	+	0.10	7 87.23
Top of Riser w/Water-tight Cap		0.39	786.74
Protective Casing w/ Locking Cap		NR	787.13
Cement/Bentonite Grout: To	p ttom	NR 28.50	787.13 758.63
Riser: To	p ttom	0.39 35.00	786.74 752.13
Water Level During Drilling:		25.55	761.58
Seal: To	p ttom	28.50 30.50	758.63 756.63
Screen: To	p ttom	35.00 38.03	752.13 749.10
Sand Pack: To	p ttom	30.50 39.00	756.63 748.13
Bottom Sump: To	p ttom	38.03 38.35	749.10 748.13
Borehole Total Depth:		39.00	748.13

NOT TO SCALE

Well No.	: P-2	Drilling Company	:	MATHES ENV. SERV.
USGS Coordinates	:	Rig Type	:	CME - 550
Long i tude	: 0.00	Driller	:	K. BUNSELMEYER
Latitude	: 0.00	Drilling Started (Date)	:	
State Coordinates	:	Drilling Completed (Date)	:	8/17/90
Northings	: 634,813.02			
Eastings	: 1,270,144.40	Completion Depth	:	53.01
Reference Point	: TOP OF PVC CASING	,		
Reference Point Elev.	: 795.42	Developement		
Type of Security	: LOCKING CAP	Date	:	8/27/90 9/10/90
		Type	:	COMPRESSED AIR
Supervisory Geologist	: KATE FOX	Volume Removed	:	55 GAL. APPROX:30
Log Book/Page No.	: 3/5-8			
		Post Devel. Water Level	:	756.70
		Date	:	9/10/90
		Hydraulic Conductivity	:	NR CM/SEC

	BLS	MSL
Land Surface	0.00	795.92
Flush Mount Vault (approx.) +	0.05	795.97
Top of Riser w/Water-tight Cap	0.50	795.42
Protective Casing w/ Locking Cap	HR	795.92
Cement/Bentonite Grout: Top Bottom	NR 43.00	795.92 752.92
Riser: Top Bottom	0.50 48.00	795.42 747.92
Water Level During Drilling:	46.50	749.42
eal: Top Bottom	43.00 45.00	752.92 750.92
Screen: Top Bottom	48.00 53.01	747.92 742.91
Sand Pack: Top Bottom	45.00 55.00	750.92 740.92
Bottom Sump: Top Bottom	53.01 53.30	742.91 740.92
Borehole Total Depth:	55.00	740.92

NOT TO SCALE

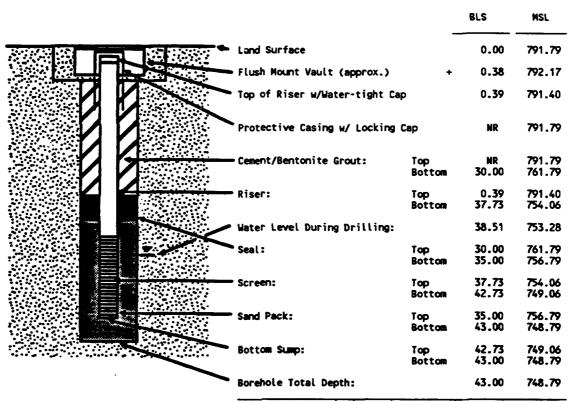
Well No.	: P-3	Drilling Company	:	MATHES ENV. SE	RV.
USGS Coordinates	•	Rig Type	:	CME - 550	
Longitude	0.00	Dritler	:	K. BUNSELMEYER	t
Latitude	: 0.00	Drilling Started (Date)	:	8/18/90	-
State Coordinates Northings	: 634,212.94	Drilling Completed (Date)	:	8/19/90	
Eastings	: 1,268,777.79	Completion Depth	:	35.42	
Reference Point	: TOP OF PVC CASING				
Reference Point Elev.	: <i>7</i> 97.30	Developement			
Type of Security	: LOCKING CAP	Date	:	8/30/90	
•		Type	:	COMPRESSED ATE	t
Supervisory Geologist Log Book/Page No.	: KATE FOX : 3/13-16	Volume Removed	:	30 GAL. APPROX	(.
Log Book, Lago Roll	,	Post Devel. Water Level	:	766.09	
		Date	:	8/30/90	
		Hydraulic Conductivity	:	NR CH/S	SEC

	BLS	MSL
Early Surface	0.00	797.80
Flush Mount Vault (approx.) +	0.03	797.83
Top of Riser w/Water-tight Cap	0.50	797.30
Protective Casing w/ Locking Cap	NR	797.80
Cement/Bentonite Grout: Top Bottom	NR 26.00	797.80 771.80
Riser: Top Bottom	0.50 30.08	797.30 767.72
Water Level During Drilling:	32.50	765.30
Seal: Top Bottom	26.00 28.00	771.80 769.80
Screen: Top Bottom	30.08 35.10	767.72 762.70
Sand Pack: Top Bottom	28.00 36.00	769.80 761.80
Bottom Sump: Top Bottom	35.10 35.42	762.70 761.80
Borehole Total Depth:	36.00	761.80

NOT TO SCALE

Well No. USGS Coordinates P-4 Drilling Company MATHES ENV. SERV. Rig Type Driller CHE - 550 K. BUNSELMEYER 0.00 Longitude 8/18/90 Latitude Drilling Started (Date) 0.00 State Coordinates 8/18/90 Drilling Completed (Date) Northings : 635,098.79 : 1,268,826.73 : TOP OF PVC CASING Eastings Completion Depth : 42.73 Reference Point Reference Point Elev. 791.40 **Developement** Type of Security : LOCKING CAP 8/23/90 Date COMPRESSED AIR Type Supervisory Geologist Log Book/Page No. : KATE FOX 55 GAL. APPROX. Volume Removed : 3/10-13 760.96 Post Devel. Water Level 8/30/90 **Hydraulic Conductivity** CH/SEC NR

MONITORING WELL AS-BUILT



NOT TO SCALE

All measurements in feet unless otherwise noted

BLS - Below Land Surface

MSL - Mean Sea Level

+ Indicates an Above Land Surface (ALS) measurement

Well No.	: P-5	Drilling Company	:	MATHES EN	IV. SERV.
USGS Coordinates	:	Rig Type	:	CME - 550)
Longitude	: 0.00	Driller	:	K. BUNSEL	MEYER
Latitude	: 0.00	Drilling Started (Date)	:	8/22/90	
State Coordinates Northings	: : 634,273.05	Drilling Completed (Date)	:	8/23/90	
Eastings	: 1,267,157.32	Completion Depth	:	35.00	
Reference Point	: TOP OF PVC CASING				
Reference Point Elev.	: 796.81	Developement			
Type of Security	: LOCKING CAP	Date `	:	8/28/90	
,		Type	:	COMPRESSE	DAIR
Supervisory Geologist	: KATE FOX	Volume Removed	:	17 GAL.	
Log Book/Page No.	: 3/26-29				
		Post Devel. Water Level	:	766.20)
		Date	:	8/30/90	
		Hydraulic Conductivity	:	NR	CM/SEC

	BLS	MSL
Land Surface	0.00	797.23
Flush Mount Vault (approx.)	+ 0.14	797.37
Top of Riser w/Water-tight Cap	0.42	796.81
Protective Casing w/ Locking Cap	NR	797.23
Cement/Bentonite Grout: Top	NR n 25.50	797.23 771.73
Riser: Top Bottom	0.42 n 29.64	796.81 767.59
Water Level During Drilling:	NR	797.23
Seal: Top Bottom	25.50 n 27.50	771.73 769.73
Screen: Top Bottom	29.64 n 34.65	767.59 762.58
Sand Pack: Top Bottom	27.50 n 35.00	769.73 762.23
Bottom Sump: Top Bottom	34.65 n 35.00	762.58 762.23
Borehole Total Depth:	35.00	762.23

NOT TO SCALE

Well No.	: P-6	Drilling Company	:	MATHES ENV. SERV
USGS Coordinates	:	Rig Type	:	CHE - 550
Long i tude	: 0.00	Driller	:	K. BUNSELMEYER
Latitude	: 0.00	Drilling Started (Date)	:	8/21/90
State Coordinates Northings	: : 634,634.95	Drilling Completed (Date)	:	8/21/90
Eastings Reference Point	: 1,267,032.08 : TOP OF PVC CASING	Completion Depth	:	43.35
Reference Point Elev.	: 802.86	Development		
Type of Security	: LOCKING CAP	Date Type	:	8/28/90 COMPRESSED AIR
Supervisory Geologist Log Book/Page No.	: KATE FOX : 3/22-24	Volume Removed	:	25 GAL. APPROX.
-		Post Devel. Water Level	:	766.19
		Date	:	8/30/90
		Hydraulic Conductivity	:	NR CM/SEC

	BLS	MSL
Land Surface	0.00	803.26
Flush Mount Vault (approx.) +	0.01	803.27
Top of Riser w/Water-tight Cap	0.40	802.86
Protective Casing W/ Locking Cap	NR	803.26
Cement/Bentonite Grout: Top	NR 34.00	803.26 769.26
Riser: Top Bottom	0.40 37.98	802.86 765.28
Water Level During Drilling:	41.31	761.95
Seal: Top Bottom	34.00 35.99	769.26 767.27
Screen: Top Bottom	37.98 43.03	765.28 760.23
Sand Pack: Top Bottom	35.99 44.00	767.27 759.26
Bottom Sump: Top Bottom	43.03 43.35	760.23 759.26
Borehole Total Depth:	44.00	759.26

NOT TO SCALE

Well No.	: P-7	Drilling Company	:	MATHES ENV. SERV.
USGS Coordinates	:	Rig Type	:	CME - 550
Longitude	: 0.00	Driller	•	K. BUNSELMEYER
Latitude	: 0.00	Drilling Started (Date)	:	8/19/90
State Coordinates Northings	: 634,640.93	Drilling Completed (Date)	:	
Eastings Reference Point	: 1,267,690.04 : TOP OF PVC CASING	Completion Depth	:	27.50
Reference Point Elev.	: 803.47	Developement		
Type of Security	: LOCKING CAP	Date Type		N/A COMPRESSED AIR
Supervisory Geologist Log Book/Page No.	: KATE FOX : 3/16-19	Volume Removed	:	N/A
	,	Post Devel. Water Level	:	803.4/
		Date	:	N/A
		Hydraulic Conductivity	:	NR CM/SEC

	BLS	MSL
Land Surface	0.00	803.86
Flush Mount Vault (approx.) +	0.20	804.06
Top of Riser w/Water-tight Cap	0.39	803.47
Protective Casing w/ Locking Cap	NR	803.86
Cement/Bentonite Grout: Top Bottom	NR 17.50	803.86 786.36
Riser: Top Bottom	0.39 22.12	803.47 781.74
Water Level During Drilling:	17.10	786.76
Seal: Top Bottom	17.50 20.00	786.36 783.86
Screen: Top Bottom	22.12 27.18	781.74 776.68
Sand Pack: Top Bottom	20.00 27.50	783.86 776.36
Bottom Sump: Top Bottom	N/A	803.86 776.36
Borehole Total Depth:	27.50	776.36

NOT TO SCALE

Well No.	: P-8	Deilliam Company		MATUES FIN	
	: F-0	Drilling Company		MATHES EN	. SERV.
USGS Coordinates	:	Rig Type	:	CHE - 550	
Longi tude	: 0.00	Driller	:	K. BUNSELI	E YER
Latitude	: 0.00	Drilling Started (Date)	:	8/21/90	
State Coordinates	:	Drilling Completed (Date)	:	8/21/90	
Northings	: 634,462,52	• ,			
Eastings	: 1,267,111.25	Completion Depth	:	37,40	
Reference Point	: TOP OF PVC CASING		_		
Reference Point Elev.	: 796.73	Developement			
Type of Security	: LOCKING CAP	Date	:	8/28/90	
.,	-	Type	:	COMPRESSE	ATP
Supervisory Geologist	: KATE FOX	Volume Removed	:	25 GAL.	, A.K
Log Book/Page No.	: 3/24-26	TOTOLIC ROMOTOG	•	LJ GAL.	
Log Book/rage No.	. 3/24-20	Post Devel. Water Level		766,15	
			•		
		Date	:	8/30/90	
		Hydraulic Conductivity	:	NR	CM/SEC

	BLS	HSL
Land Surface	0.00	797.17
Flush Mount Vault (approx.) +	0.05	797.22
Top of Riser w/Water-tight Cap	0.44	796.73
Protective Casing W/ Locking Cap	NR	797.17
Cement/Bentonite Grout: Top Bottom	NR 28.00	797.17 769.17
Riser: Top Bottom	0.44 32.02	796.73 765.15
Water Level During Drilling:	NR	79 7.17
Seal: Top Bottom	28.00 30.00	769.17 767.17
Screen: Top Bottom	32.02 37.09	765.15 760.08
Sand Pack: Top Bottom	30.00 38.00	767.17 759.17
Bottom Sump: Top Bottom	37.09 37.40	760.08 759.17
Borehole Total Depth:	38.00	759.17

NOT TO SCALE

Well No.	: P-9	Drilling Company	:	MATNES ENV.	. SERV.
USGS Coordinates	:	Rig Type	:	CHE - 550	
Long i tude	: 0.00	Driller	:	K. BUNSELM	EYER
Latitude	: 0.00	Drilling Started (Date)	:	8/21/90	
State Coordinates Northings	: : 634,528.55	Drilling Completed (Date)	:		
Eastings	: 1,267,402.21	Completion Depth	:	36.69	
Reference Point	: TOP OF PVC CASING	•			
Reference Point Elev.	: 795.37	Developement			
Type of Security	: LOCKING CAP	Date	:	8/28/90	
.,,,		Type	:	COMPRESSED	AIR
Supervisory Geologist	: KATE FOX	Volume Removed	:	15 GAL.	
Log Book/Page No.	: 3/20-21				
		Post Devel. Water Level	:	766.18	
		Date	:	8/30/90	
		Hydraulic Conductivity	:	NR (CM/SEC

	_	BLS	MSL
Land Surface	Ī	0.00	795.78
Flush Mount Vault (approx.)	+	0.06	795.84
Top of Riser w/Water-tight Cap		0.41	795.37
Protective Casing w/ Locking Cap		NR	795.78
Cement/Bentonite Grout: Top	:om	NR 27.30	795.78 768.48
Riser: Top	om	0.41 30.63	795.37 765.15
Water Level During Drilling:		29.00	766.78
Seal: Top	:om	27.30 29.30	768.48 766.48
Screen: Top	om	30.63 36.69	765.15 759.09
Sand Pack: Top	om:	29.30 37.00	766.48 758.78
Bottom Sump: Top Bott	OM	36.69 37.00	759.09 758.78
Borehole Total Depth:		37.00	758.78

NOT TO SCALE

APPENDIX C
SAMPLE LOCATION SURVEY COORDINATES

THIS PAGE INTENTIONALLY LEFT BLANK

...

Table C-1. Survey Coordinates for Sample Locations at Indiana Air National Guard Base, Fort Wayne, Indiana

Description	Northing	Easting	Land Surface Elevation	Top of Casing Elevation
SB1-1(90)	1267436.590	634522.263	795.61	
SB1-2(90)	1267259.897	634582.154	806.27	
SB1-3(90)	1267211.727	634562.6447	805.31	
SB1-4(90)	1267168.927	634485.128	803.06	
SB1-5(91)	1267198.659	634544.499	804.66	
SB1-6(91)	1267276.494	634536.918	805.71	
SB1-7(91)	1267247.629	634468.413	803.66	
SB1-8(91)	1267161.329	634441.327	801.61	
SB1-9(91)	1267118.218	634547.588	799.51	
SB1-10(91)	1267169.512	634386.429	799.51	
SB3-1(90)	1268800.085	634579.014	800.23	
SB3-2(90)	1268804.810	634570.3909	800.16	
SB3-3(90)	1268812.232	634600.1866	800.43	
SB3-4(90)	1268800.121	634596.3574	800.46	
SB3-5(91)	1268796.426	634576.046	799.94	
SB3-6(91)	1268822.625	634558.123	798.45	
SB4-1(90)	1269640.032	635086.2888	793.35	
SB4-2(90)	1269707.225	635033.3853	792.02	
SB4-3(90)	1269801.851	635034.6490	789.18	***
SB4-4(90)	1269456.359	634948.7862	793.34	
SB4-5(90)	1269619.631	634955.6724	795.44	
SB4-6(91)	1269546.481	635213.465	787.52	
SB4-7(91)	1269707.137	635033.558	791.62	
SB4-8(91)	1269899.317	635128.215	787.67	
BG-1(90)	Not surveyed, east of Base entrance security gate			
BG-2(91)	1267187.618	634626.554	805.51	
BG-3(91)	1268664.986	635319.343	790.90	

Table C-1. Survey Coordinates for Sample Locations at Indiana Air National Guard Base, Fort Wayne, Indiana (Continued)

Description	Northing	Easting	Land Surface Elevation	Top of Casing Elevation	
MW1-01(90)	1267167.437	634506.386	804.37	807.28	
MW1-02(90)	1267330.799	634639.944	807.23	810.21	
MW2-01(90)	1268860.540	634627.760	801.17	800.72	
MW4-01(90)	1270008.548	634768.397	796.91	796.52	
MW4-02(90)	1270114.322	635224.895	790.68	793.27	
P-1(90)	1270055.117	635550.118	787.13	786.74	
P-2(90)	1270144.433	634813.033	795.92	795.42	
P-3(90)	1268777.986	634213.088	797.80	797.30	
P-4(90)	1268826.905	635098.827	791.79	791.40	
P-5(90)	1267157.474	634273.071	797.23	796.81	
P-6(90)	1267032.216	634634.893	803.26	802.86	
P-7	1267690.037	634640.9323	803.86	803.47	
P-8(90)	1267111.355	634462.559	797.17	796.73	
P-9(90)	1267402.171	634528.468	795.78	795.37	
SD-1	Not surveyed, near SD	-4			
SD-2	Not surveyed, about 50	Not surveyed, about 500 feet north of SD-4			
SD-3(91)	Not surveyed, near SB	Not surveyed, near SB4-8			
SD-4(91)	1270517.653	635551.674	784.798		

APPENDIX D
AQUIFER TEST PROCEDURES AND RESULTS
AND WATER LEVEL MEASUREMENT RESULTS

THIS PAGE INTENTIONALLY LEFT BLANK

AQTESOLV

A Program for

Automatic Estimation of Aquifer Coefficients

From Aquifer Test Data

By:

Glenn M. Duffield and James O. Rumbaugh, III

Geraghty & Miller Modeling Group 1895 Preston White Drive, Suite 301 Reston, VA 22091

(703) 476 - 0335

A Q T E S O L V is a user-friendly program designed to analyze data from aquifer tests automatically. Aquifer coefficients for a variety of aquifer test conditions can be estimated by A Q T E S O L V , including the following:

- o confined aquifers, unconfined aquifers, and leaky aquifers
- o pumping tests, injection tests, recovery tests, and slug tests

Features:

- o Interactive, menu-driven program design
- o Nonlinear least-squares estimation of aquifer coefficients
- o Statistical analysis of results
- o Complete graphical display of results

AQTESOLV RESULTS

07/90 04:09:03

PROBLEM DEFINITION

blem title: MW102A SLUG TEST

wns and Constants:

A, B, C..... 0.000, 0.000, 1.940

ANALYTICAL METHOD

wer and Rice (unconfined aquifer slug test)

RESULTS FROM STATISTICAL CURVE MATCHING

TISTICAL MATCH PARAMETER ESTIMATES

Estimate Std. Error K = 5.5646E-005 +/- 6.8050E-006y0 = 3.2785E-001 +/- 1.5003E-002

LYSIS OF MODEL RESIDUALS

idual = calculated - observed
phted residual = residual * weight

ahted Residual Statistics:

?l Residuals:

Time	Observed	Calculated	Residual	Weight
1.25	0.34	0.30199	0.038006	1
1.3333	0.34	0.30035	0.039654	1
1.4166	0.34	0.29871	0.041294	1
1.5	0.34	0.29707	0.042926	1
1.5833	0.34	0.29545	0.044548	1
1.6667	0.3	0.29384	0.0061627	1
1.75	0.3	0.29223	0.0077667	1

1.8333	0.3	0.29064	0.0093619	1
1.9167	0.3	0.28905	0.01095	1
2	0.3	0.28747	0.012528	1
2.5	0.3	0.27818	0.02182	1
3	0.26	0.26919	-0.0091891	1
3.5	0.26	0.26049	-0.00048852	ī
4	0.22	0.25207	-0.032069	ī
4.5	0.18	0.24392	-0.063922	ī
5	0.22	0.23604	-0.016038	ī
5.5	0.18	0.22841	-0.048409	ī
6	0.18	0.22103	-0.041026	ī
6.5	0.18	0.21388	-0.033882	ī
7	0.15	0.20697	-0.056969	ī
7.5	0.15	0.20028	-0.05028	Ī
8	0.15	0.19381	-0.043807	ī
8.5	0.15	0.18754	-0.037542	ī
9	0.15	0.18148	-0.031481	1
9.5	0.15	0.17562	-0.025615	ī
10	0.15	0.16994	-0.019939	1
12	0.11	0.14901	-0.039011	ī
14	0.18	0.13066	0.04934	ī
16	0.15	0.11457	0.035431	ī
18	0.15	0.10046	0.049541	ī
20	0.15	0.088088	0.061912	ī
22	0.15	0.07724	0.07276	ī
24	0.07	0.067727	0.0022727	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
26	0.15	0.059387	0.090613	ī
28	0.07	0.052073	0.017927	ī
				_

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

Estimate K = 3.3581E-005 y0 = 2.5904E-001

AQTESOLV

A Program for

Automatic Estimation of Aquifer Coefficients
From Aquifer Test Data

By:

Glenn M. Duffield and James O. Rumbaugh, III

Geraghty & Miller Modeling Group 1895 Preston White Drive, Suite 301 Reston, VA 22091

(703) 476 - 0335

A Q T E S O L V is a user-friendly program designed to analyze data from aquifer tests automatically. Aquifer coefficients for a variety of aquifer test conditions can be estimated by A Q T E S O L V , including the following:

- o confined aquifers, unconfined aquifers, and leaky aquifers
- o pumping tests, injection tests, recovery tests, and slug tests

Features:

- o Interactive, menu-driven program design
- o Nonlinear least-squares estimation of aquifer coefficients
- o Statistical analysis of results
- o Complete graphical display of results

AQTESOLV RESULTS

12/04/90 14:17:41

PROBLEM DEFINITION

Problem title: SLUG TEST FOR MW1021B

Knowns and Constants:

ESTIMATION RESULTS

Analytical method: Bouwer and Rice (unconfined aquifer slug test)

PARAMETER ESTIMATES

Estimate Std. Error K = 3.7645E-005 +/- 2.6154E-006 y0 = 3.2040E-001 +/- 4.2986E-003

ANALYSIS OF MODEL RESIDUALS

residual = calculated - observed
weighted residual = residual * weight

Weighted Residual Statistics:

Model Residuals:

Time	Observed	Calculated	Residual	Weight
0.0033	0.37	0.32036	0.049643	1
0.0066	0.37	0.32031	0.04969	1
0.0099	0.37	0.32026	0.049737	1
0.0133	0.37	0.32021	0.049785	1
0.0166	0.37	0.32017	0.049832	1
0.02	0.37	0.32012	0.04988	1
0.0233	0.37	0.32007	0.049927	1
0.0266	0.37	0.32003	0.049974	1
0.03	0.34	0.31998	0.020022	1
0.0333	0.34	0.31993	0.020069	1
0.05	0.34	0.31969	0.020305	1
0.0666	0.34	0.31946	0.02054	1
0.0833	0.34	0.31922	0.020776	1
0.1	0.34	0.31899.	0.021012	1

0 1166	0.04	0 21075	0 001047	•
0.1166	0.34	0.31875	0.021247	1
0.1333	0.3	0.31852	-0.018518	1
0.15	0.3	0.31828	-0.018282	1
0.1666	0.3	0.31805	-0.018048	1
0.1833	0.3	0.31781	-0.017813	<u> </u>
			-0.017578	.
0.2	0.3	0.31758		<u> </u>
0.2166	0.3	0.31734	-0.017345	1
0.2333	0.3	0.31711	-0.01711	1
0.25	0.3	0.31688	-0.016876	1
0.2666	0.26	0.31664	-0.056643	
			-0.016409	†
0.2833	0.3	0.31641		<u> </u>
0.3	0.3	0.31617	-0.016175	1
0.3166	0.3	0.31594	-0.015942	1
0.3333	0.3	0.31571	-0.015709	1
0.4167	0.3	0.31455	-0.014545	1
0.5	0.3	0.31339	-0.013387	ī
				±
0.5833	0.3	0.31223	-0.012233	<u> </u>
0.6667	0.3	0.31108	-0.011082	1
0.75	0.3	0.30994	-0.0099363	1
0.8333	0.3	0.3088	-0.0087951	1
0.9167	0.3	0.30766	-0.0076567	1
1		0.30652	-0.0065239	ī
	0.3			± •
1.0833	0.3	0.3054	-0.0053952	<u> </u>
1.1667	0.3	0.30427	-0.0042693	1
1.25	0.3	0.30315	-0.003149	1
1.3333	0.3	0.30203	-0.0020327	1
1.4166	0.3	0.30092	-0.00092059	ī
	0.3	0.29981	0.00018878	7
1.5				<u>+</u>
1.5833	0.3	0.29871	0.0012927	<u> </u>
1.6667	0.3	0.29761	0.0023939	1
1.75	0.3	0.29651	0.0034898	1
1.8333	0.3	0.29542	0.0045816	1
1.9167	0.3	0.29433	0.0056706	Ī
2	0.3	0.29325	0.0067544	ī
				*
2.5	0.26	0.28682	-0.026824	<u>*</u>
3	0.26	0.28054	-0.020542	1
3.5	0.26	0.2744	-0.014399	111111111111111111111111111111111111111
4	0.3	0.26839	0.03161	1
4.5	0.26	0.26251	-0.0025122	ī
5	0.22	0.25676	-0.036763	ี วิ
				•
5.5	0.22	0.25114	-0.03114	<u> </u>
6	0.18	0.24564	-0.065641	1
6.5	0.18	0.24026	-0.060261	1
7	0.18	0.235	-0.055	1
7.5	0.18	0.22985	-0.049853	1
8	0.18	0.22482	-0.04482	ī
				†
8.5	0.22	0.2199	0.00010358	<u>+</u>
9	0.22	0.21508	0.0049191	1
9.5	0.22	0.21037	0.0096293	1
10	0.18	0.20576	-0.025764	1
12	0.18	0.18832	-0.008323	ī
14	0.22	0.17236	0.04764	ī
				•
16	0.18	0.15775	0.022249	<u> </u>
18	0.15	0.14438	0.0056202	Ī
20	0.15	0.13214	0.017858	1
22	0.11	0.12094	-0.010941	1
24	0.15	0.11069	0.03931	1
26	0.15	0.10131	0.048692	ī
28 28	0.11	0.092721	0.017279	1 1 1 1 1 1 1 1 1 1
				± 3
30	0.11	0.084862	0.025138	1
32	0.11	0.077669	0.032331	1

A Program for

Automatic Estimation of Aquifer Coefficients

From Aquifer Test Data

By:

Glenn M. Duffield and James O. Rumbaugh, III

Geraghty & Miller Modeling Group 1895 Preston White Drive, Suite 301 Reston, VA 22091

(703) 476 - 0335

A Q T E S O L V is a user-friendly program designed to analyze data from aquifer tests automatically. Aquifer coefficients for a variety of aquifer test conditions can be estimated by A Q T E S O L V , including the following:

- o confined aquifers, unconfined aquifers, and leaky aquifers
- o pumping tests, injection tests, recovery tests,

Features:

- o Interactive, menu-driven program design
- o Nonlinear least-squares estimation of aquifer coefficients
- o Statistical analysis of results
- o Complete graphical display of results

12/05/90

03:25:45

Problem title: SLUG TEST FOR MW1021C

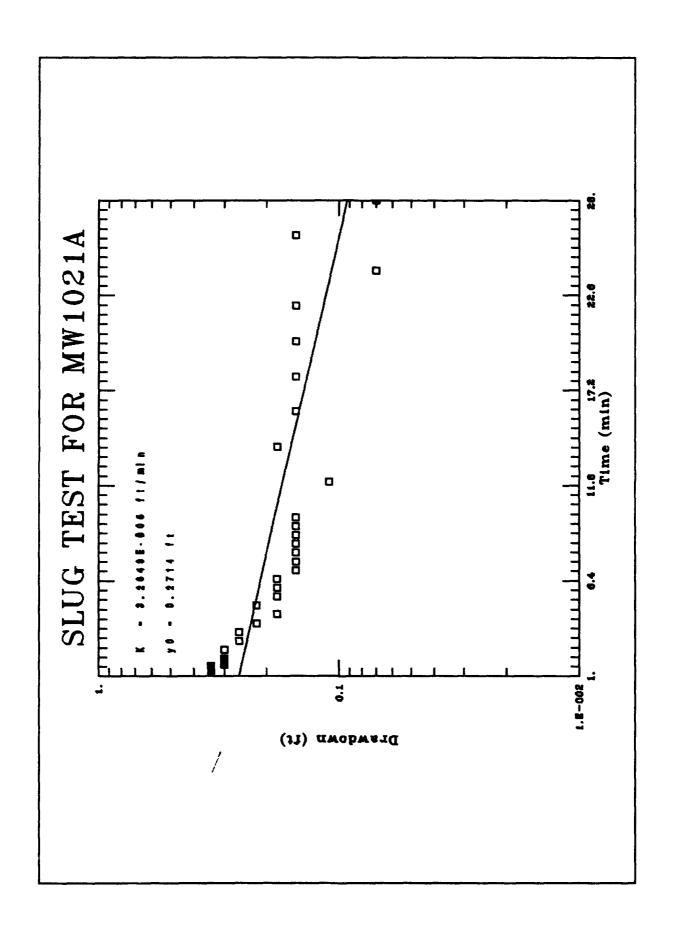
Knowns and Constants:

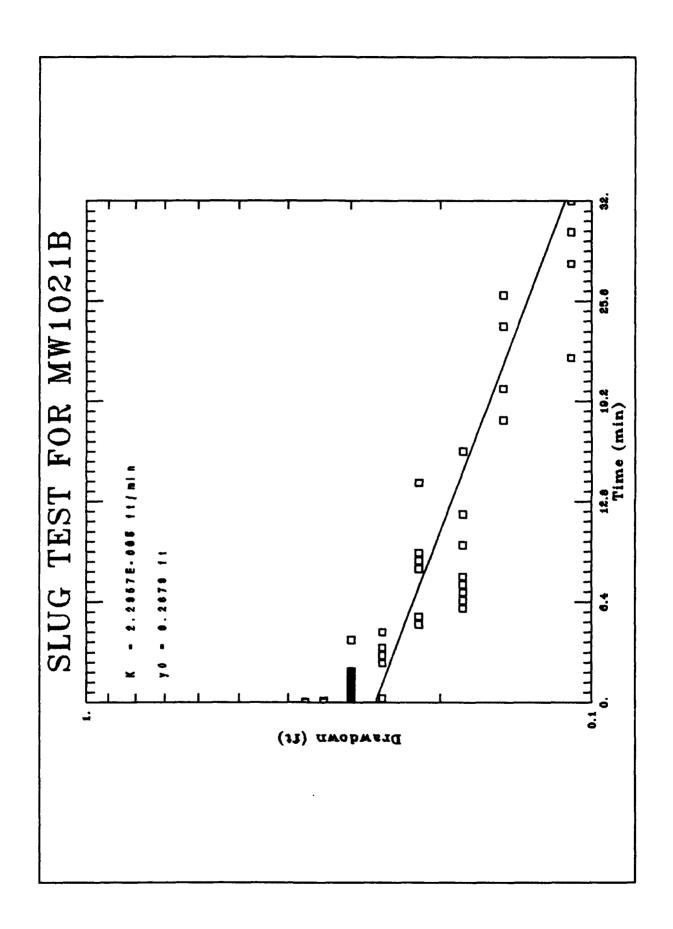
Bouwer and Rice (unconfined aquifer slug test)

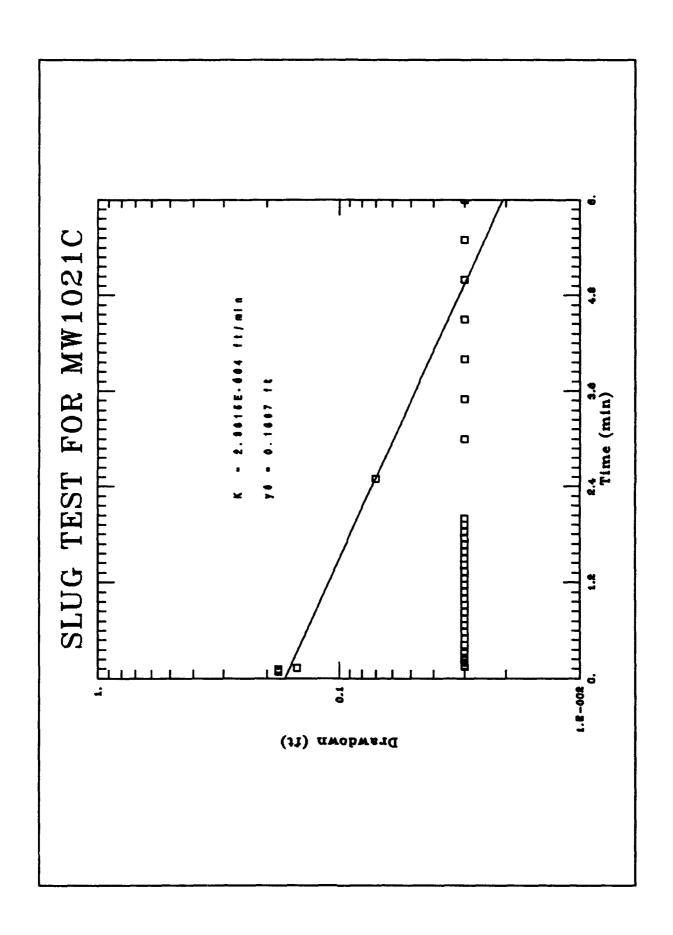
STATISTICAL MATCH PARAMETER ESTIMATES

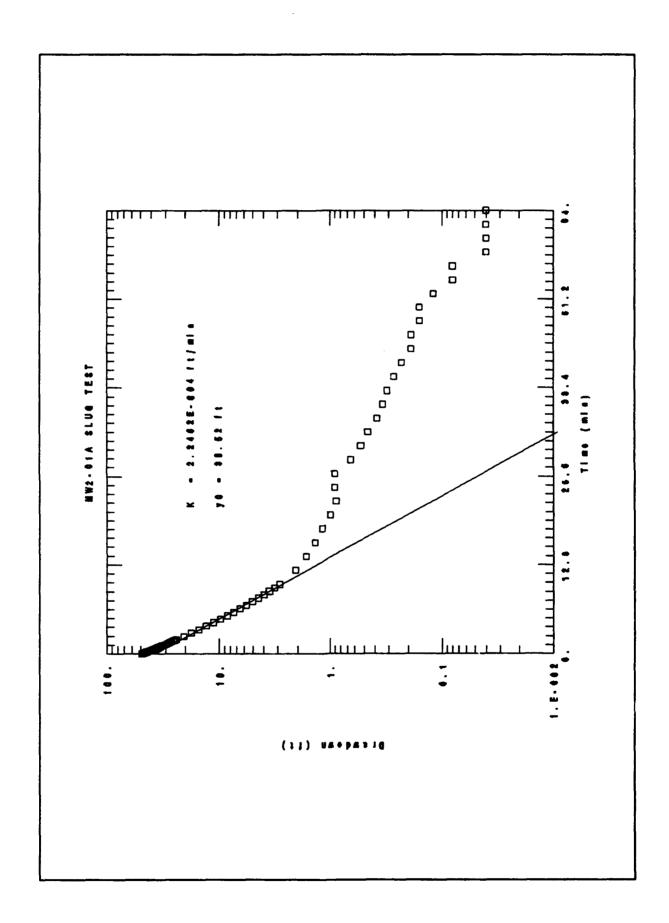
Estimate Std. Error

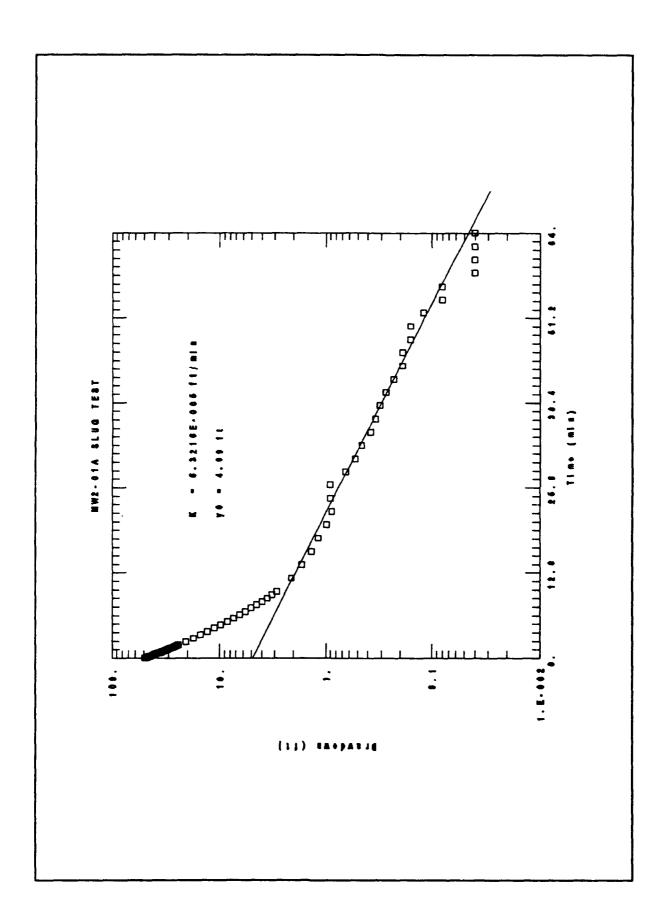
VISUAL MATCH PARAMETER ESTIMATES Estimate K = 2.9615E-004**y**0 = D-9

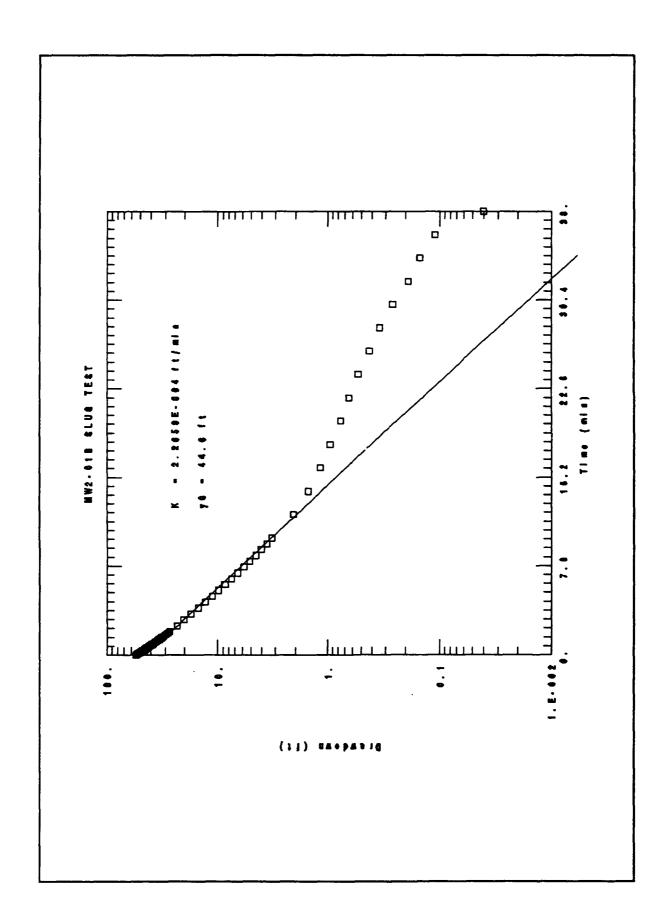


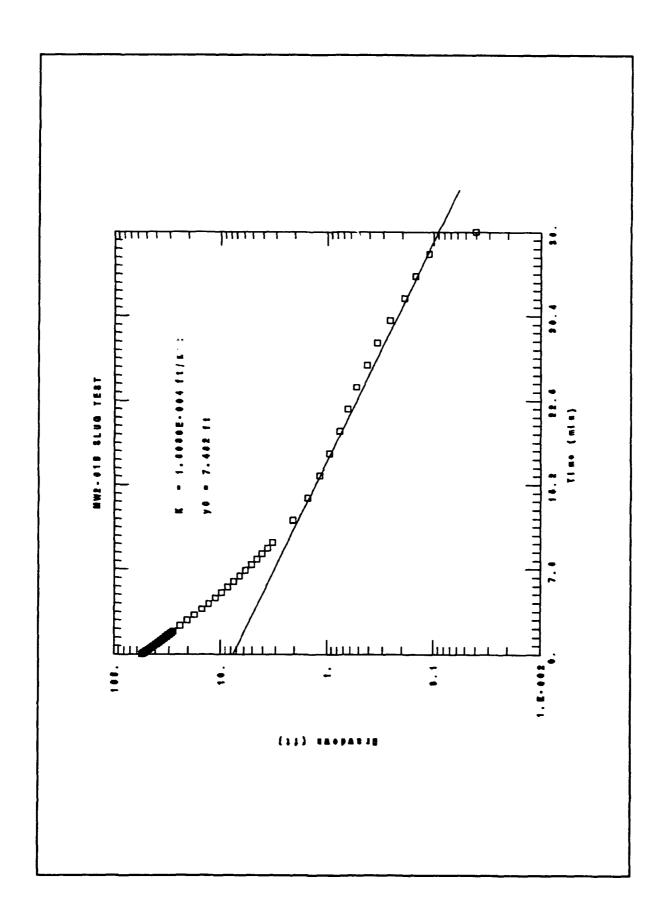


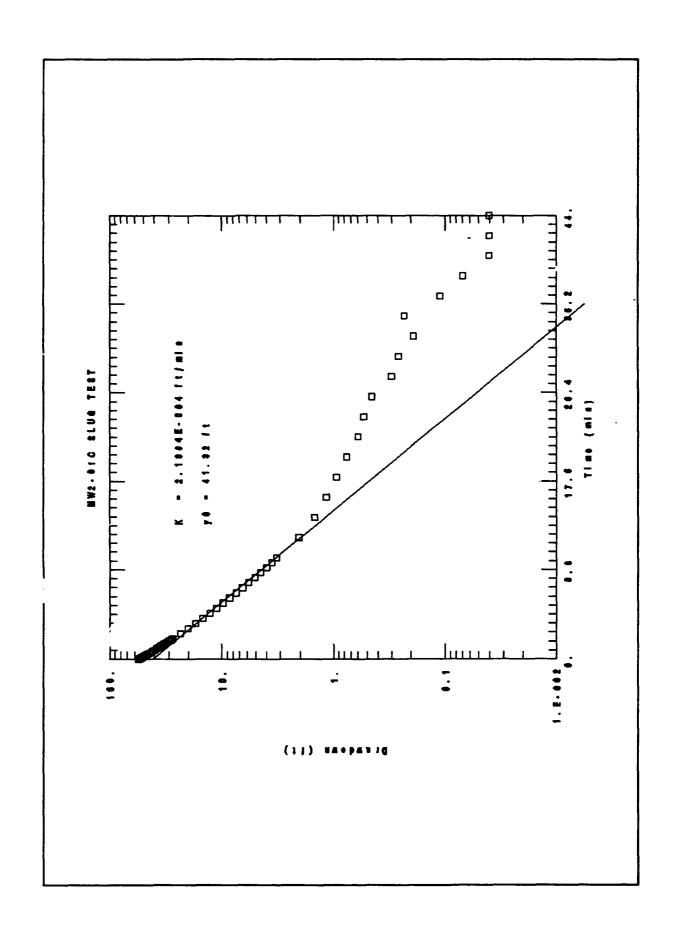


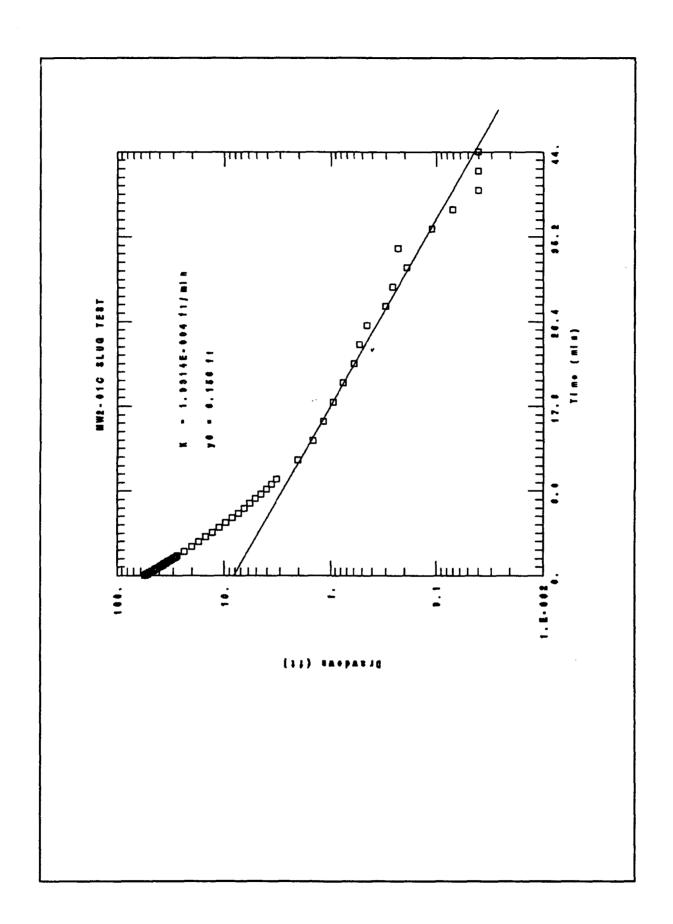


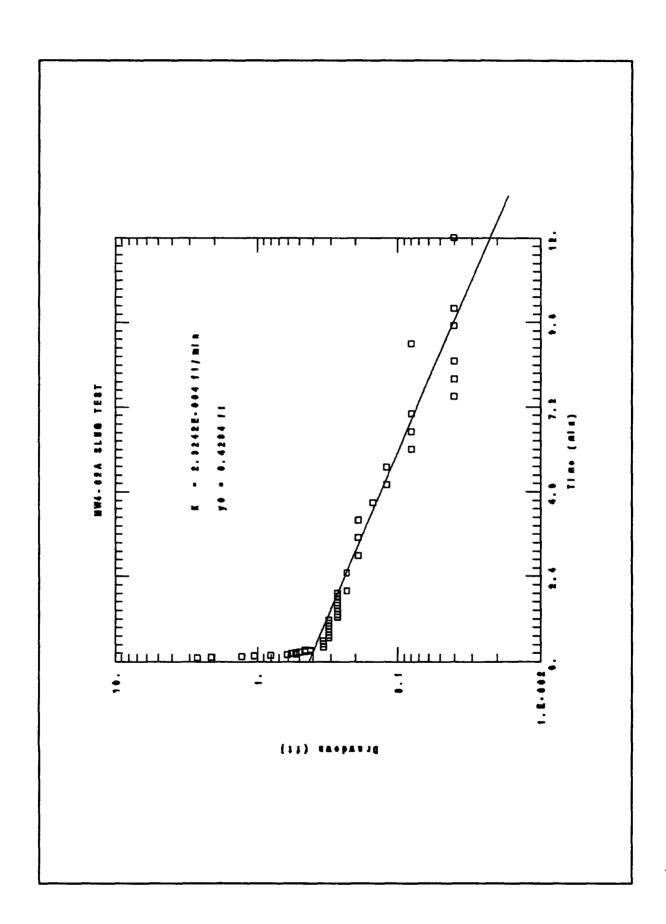


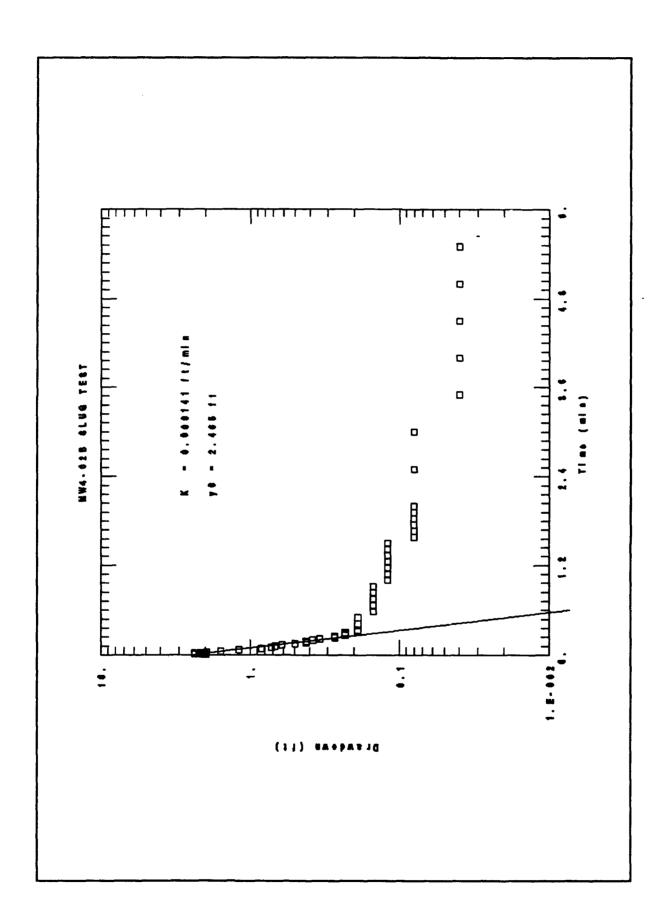


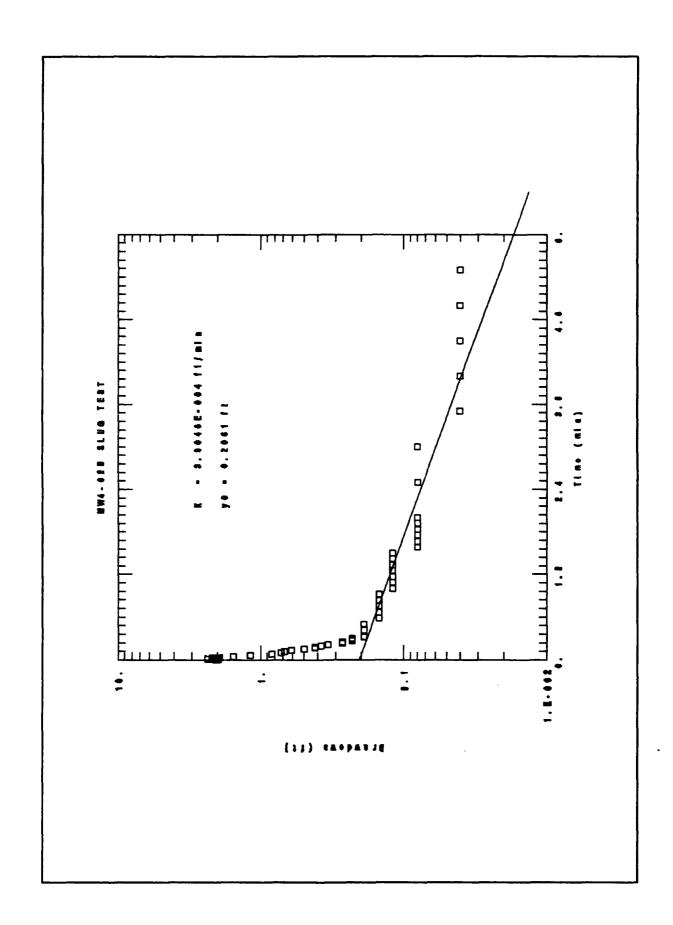












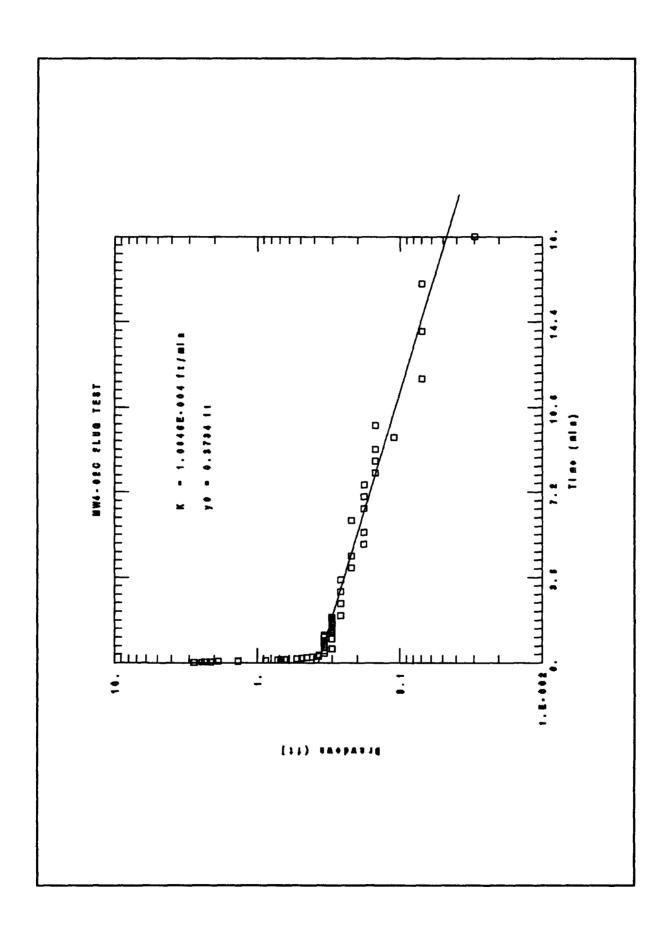


Table D-1. Water Level Measurements Indiana Air National Guard Base Fort Wayne, Indiana

Well ID	Land Surface Elevation	Elevation Top of Casing	Water Elevation 1990	Date Measured	Water Elevation 1991	Date Measured	Change in Elevation 1991 - 1990 (feet)
MW1-01	804.37	807.28	766.30	9-10-90	765.61	11-5-91	-0.69
MW1-02	807.23	810.21	766.40	06-01-6	766.21	11-4-91	-0.19
MW2-01	801.17*	800.72	757.92	9-10-90	758.36	11-5-91	+0.44
MW4-01	796.91*	796.52	757.81	9-10-90	758.77	11-5-91	+0.96
MW4-02	790.68	793.27	756.65	9-10-90	756.90	11-6-91	+0.25
P-1	787.13*	786.74	756.93	06-01-6	757.34	11-6-91	+0.41
P-2	795.92*	795.42	756.70	9-10-90	756.67	11-7-91	-0.03
P-3	797.80*	797.30	766.14	9-10-90	766.16	11-7-91	+0.02
P-4	791.79*	791.40	762.31	9-10-90	762.16	11-3-91	-0.15
P-5	797.23*	796.81	766.23	06-01-6	766.27	11-7-91	+0.04
P-6	803.26*	802.86	766.22	06-01-6	766.08	11-7-91	-0.14
P-7	803.86*	803.47	Abandoned	oned	-	***	
P-8	791.17*	796.73	766.21	06-01-6	766.26	11-7-11	+0.05
P-9	795.78*	795.37	766.24	9-10-90	767.57**	11-7-91	+1.33

NOTE: All measurements are in feet above mean sea level (MSL)

* Indicates monitoring well/piezometer is flush mount

** Cover broken, rainwater in flush mount cavity. Not used to determne groundwater flow direction.

THIS PAGE INTENTIONALLY LEFT BLANK

APPENDIX E
LABORATORY ANALYTICAL RESULTS
DATA PRESENTATION

THIS PAGE INTENTIONALLY LEFT BLANK

WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990) WATTER CAMPLES (1990)	SAIC Sample ID	Laboratory Sample ID	Current SAIC Sample ID	Former SAIC Sample ID	Laboratory Sample ID	Current SAIC Sample ID	Current Former Cui SAIC SAIC Laboratory SA. Sample Sample Sangle San ID ID ID ID	Laboratory Sample ID	Current SAIC Sample ID	Former SAIC Sample ID	Laboratory Sample ID	Current SAIC Sample ID
10,000,000,000,000,000,000,000,000,000,	VATER S	AMPLES (19	(0	SOIL SAMPL	ES (1990)		WATER SA	MPLES (199	(I)	SOIL SAMPL	ES (1991)	
10002314 EW-0. Sil-0-10 Sil-1-2 EB-1 1450 EB-1 1601-1-3 12030, 1200	W-01	90021710	EW-01	SB1-01-11	90021702	SB1-1-11	EB1-1	14265, 14275	EB1-1	BG1-1-1	13278, 14202	BG2-1
10,000,2014 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,000 No. 00,000,	W-62	90021711	EW-02	SB1-01-12	90021701	SB1-1-12	EB1A-1	14266, 14276	EB1A-1	BG1-1-2	13279, 14203	BG2-2
100022014 W. W. SIN -2-40 SOUTH SIN -2-30 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40 SIN -2-40	W-03	90021808	EW-03	SB1-02-03	90021801	SB1-2-3	EB2-1	14361	EB2-1	BG1-1-3	13280, 14204	BG2-3
WORKS EWA-6 SH 1-10-10 SH 1-1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-1 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420 FH 1-2 Light, 1420	\$ } * :	90022314	EW-04	SB1-02-03R	90021802	SB1-2-3R	EB3-1	13179, 13187		BG11-4	13281, 14205	BG2-4
1,000,000 EW - CO 1,000,000 EW - CO 1,000,000 EW - CO 1,000,000 EW - CO 1,000,000 EW - CO 1,000,000 EW - CO 1,000,000 EW - CO 1,000,000 EW - CO 1,000,000 EW - CO 1,000,000 EW - CO 1,000,000 EW - CO 1,000,000 EW - CO 1,000,000 EW - CO 1,000,000 EW - CO 1,000,000,000 EW - CO 1,000,000 0 EW - CO 1,000,000 0 EW - CO 1,000,000 EW - CO 1,000,000 EW - CO 1,000,000 EW - CO 1,000,00	2 € 4 €	90022401	EW 105	SB1-(20-10 20: 00: 00:	90021803	01-7-195	E84-1	13194, 13203		1-1-209	13282, 14200	BG3-1
WARTING STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE ST	8 6	20023003	9 P A A A	3D-03-103	90021/03	3D1-3-6	1 192	13699, 14263		7-1-759	13263, 14207	7-550
9 9002310 EW-09 SB1-04-01 9002300 SB1-4-1 AWV-01 13100 (WV-1 SB1-1-2 13100) 13100 (WV-1 SB1-04-02 9002300 SB1-4-2 AWV-01 14357 AWV-1 SB1-1-3 13100 13100 (WV-1 SB1-04-02 9002300 SB1-4-3 AWV-01 14357 AWV-1 SB1-2-1 13256, 14200 (WV-1 SB1-04-02 9002300 SB1-4-3 AWV-01 14357 AWV-1 SB1-2-1 13256, 14200 (WV-1 SB1-04-02 9002300 SB1-4-3 AWV-01 14357 AWV-1 SB1-2-3 13257, 14210 (WV-1 SB1-04-02 9002300 SB1-1-3 AWV-01 14357 AWV-1 SB1-2-3 13257, 14210 (WV-1 SB1-04-03 9002300 AWV-1 SB2-01-05 9002300 SB1-1-3 AWV-02 14357 AWV-1 SB1-2-3 13257, 14210 (WV-1 SB1-04-03 9002300 AWV-1 SB2-01-05 9002300 SB1-1-3 AWV-02 14357 AWV-02 14357 AWV-1 SB1-2-3 13257, 14210 (WV-1 SB1-04-03 9002300 AWV-1 SB1-04-03 9002300 SB1-1-3 AWV-02 14357 AWV-02 14357 AWV-1 SB1-2-3 13257, 14210 (WV-1 SB1-04-03 9002300 AWV-1 SB1-04-03 9002300 SB1-1-3 AWV-02 14357 AWV-02 14357 AWV-1 SB1-2-3 13257, 14210 (WV-1 SB1-04-03 9002300 SB1-1-3 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02 14357 AWV-02) O (00004301	EW - 0/	SB1-03-03	90021/04	SB1-3-3	rb2-1	13105 13304	F82-1	6-1-70g	13284, 14208	BC3-3
00021708 Fig. 10 Control of Sin - 4.2 NAVI-10 14354 NAVI-1 Sin - 1.2 13100, 13190 00021708 Fib 0 Sin - 4.2 MAY-10 14354 NAVI-1 Sin - 1.2 13100, 13190 00021709 Fib 0 Sin - 4.2 MAY-10 14355 NAVI-1 Sin - 1.2 13100, 13190 00021709 Fib 0 Sin - 1.2 Sin - 4.2 MAY-10 14355 NAVI-1 Sin - 1.2 13100, 13190 0 Sin - 0.1 Sin - 0.1 Sin - 0.1 Sin - 0.1 MAY-10 14355 MAY-12 Sin - 0.1 1320, 1217 0 Sin - 0.1 Sin - 0.1 Sin - 0.1 Sin - 0.1 Sin - 0.1 1320, 1217 1435 MAY-12 Sin - 0.1 1320, 1217 0 Sin - 0.1 Sin - 0.1 Sin - 0.1 Sin - 0.1 Sin - 0.1 Sin - 0.1 Sin - 0.1 Sin - 0.1 Sin - 0.1 Sin - 0.1 Sin - 0.1 Sin - 0.1 Sin - 0.1 Sin - 0.1 Sin - 0.1 Sin - 0.1 Sin - 0.1 Sin - 0.1 Si	9 8 1 1	50052103	00 L W 100	SD1-03-16	90021/05 00023401	3D1-3-10	10411	13195, 13204	F64-1	1-1-103	13166, 13197	251-3-1 CD1 C
9002306 HT-01 SB1-04-0 9002346 SB1-4-5 NW1-2 I 4455 NW1-2 SB1-2-1 ISBN 1425 NW1-2 B-01 SB1-04-0 9002346 SB1-1-1 NW2-01 H435 NW1-1 SB1-2-1 ISBN 1425 NW1-1 SB2-01-01 90021846 SB1-1-1 NW2-01 H435 NW1-2 SB1-2-5 II286, H210 D 9002302 NW1-2 SB2-01-19 O002302 SB1-1-1 NW1-02 H439 NW1-2 SB1-2-5 II286, H210 D 9002302 NW1-2 SB2-01-19 O002302 NB1-2-1 IMM-02 H439 NW1-2 SB2-01-19 II385 H300 NW1-2 SB2-01-19 O002302 NB1-2-1 IMM-02 H439 NW1-2 SB2-01-19 II385 H300 NW1-2 SB2-01-19 O002302 NB1-2-1 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 II395 NW1-2 SB2-01-19 I	-0-1	90021708	FR-01	SB1 - 04 - 02	00053006		MWI-01	14354	MW1-1	SB1-1-2	13190, 13190	SR1-5-3
9002500 FB-03 SB1-04-04 90022864 SB1-4-1 AWX2-0IR 14555 AWX1-1 SB1-2-2 1326, 14209 9002510 AWV1-1 SB2-01-02 9002186 SB3-1-2 AWX4-0IR 14557 AWX4-1R SB1-2-5 14557 HZ1 CB1-2-1 SB2-01-01 9002210 SB3-1-2 AWX4-0IR 14557 AWX4-1R SB1-2-5 14557 HZ1 CB1-2-1 SB2-01-01 9002201 SB3-1-1 AWX2-0IR 14557 AWX4-1R SB1-2-5 14557 HZ1 CB1-2-1 SB2-01-01 9002202 SB3-3-1 P-1 H395 P-1 SB1-2-5 14557 HZ1 CB1-2-1 SB2-01-01 9002202 SB3-3-1 P-1 H395 P-1 SB1-3-1 SB1-3-7 1326, 14257 AWX2-1 SB2-01-01 9002203 SB3-3-1 P-1 H395 P-1 SB1-3-1 SB1-3-1 SB2-01-01 9002203 SB3-3-1 P-1 H395 P-1 SB1-3-1 SB1-3-1 SB1-3-1 SB2-01-01 9002203 SB4-1-1 TB10-3-9 13180 TB10-31-9 SB1-3-1 H259, 1420 9002113 TB-03 SB4-01-02 9002203 SB4-1-2 TB11-1-9 13180 TB11-3-9 SB1-3-1 H259, 1420 9002113 TB-03 SB4-01-0 9002203 SB4-3-1 TB11-1-9 13180 TB11-3-9 SB1-3-3 H259, 1420 9002302 SB4-3-1 TB11-1-9 13180 TB11-3-9 SB1-3-3 H259, 1420 9002302 TB-06 SB4-01-0 9002203 SB4-3-1 TB11-1-9 13180 TB11-3-9 SB1-3-3 H259, 1420 9002302 TB-06 SB4-01-0 9002203 SB4-3-1 TB11-1-9 13180 TB11-3-9 SB1-3-3 H259, 1420 9002302 TB-06 SB4-01-0 9002203 SB4-3-1 TB11-1-9 13180 TB11-3-9 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259, 1421 SB1-3-3 H259,	8	90021709	FB-02	SB1-04-03	90023603		MW1-02	14267, 14277	MW1-2	SB1-1-7	13289, 14222	SB1-5-7
9002510 H7-0 SEQ-01-01 9002186 SB3-1-1 MW4-0R 1437 MW4-1 SB1-2-2 1328, 14210 MW4-1 SEQ-01-02 90025186 SB3-1-1 MW4-0R 14357 MW4-1 SB1-2-3 1328, 14210 MW1-1 SEQ-01-03 9002510 MW1-2 SEQ-01-09 9002510 MW1-2 SEQ-01-09 9002510 MW4-2 SEQ-01-09 9002510 MW4-2 SEQ-01-09 9002500 MW4-1 SEQ-01-09 9002500 MW4-1 SEQ-01-09 9002200 SB3-2-1 P-8 14397 P-1 SB1-2-3 1328, 14212 SGQ-01-09 9002300 MW4-2 SEQ-0-01 9002200 SB3-2-1 P-8 14397 P-1 SGQ-0-01 9002200 SB3-2-1 P-8 14397 P-1 SGQ-0-01 SGQ-0-01 9002200 SB3-2-1 P-8 14397 P-1 SGQ-0-01 SGG-0-01 9002200 SB3-2-1 P-8 14397 P-1 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-0-01 SGG-	1-03	90023606	FB-03	SB1-04-04	90023604	SB1-4-4	MW2-01	14355	MW3-1	SB1-2-1	13285, 14209	SB1-6-1
0.00021010 NWH-1 SR2-01-2 90021806 SR3-1-2-5 NWH-0 14357 NWH-2 SR3-2-5-5 14352 0.0002101 NWH-1 SR2-01-19 90021806 SR3-1-1-1 NWH-0 14359 NWH-2 SR3-2-5-7 14353 0.0002400 NWH-1 SR2-02-01 90022401 SR3-2-1 P-1 14399 P-8 SR3-3-1 14399 P-8 SR3-3-1 14399 P-8 SR3-3-1 14396 P-8 SR3-3-1 14396 P-8 SR3-3-1 14396 P-8 SR3-3-1 14396 P-8 SR3-3-1 14396 P-8 SR3-3-1 14396 P-8 SR3-3-1 14396 P-8 SR3-3-1 14396 P-8 SR3-3-1 14396 P-8 SR3-3-1 14396 P-8 SR3-3-1 14396 P-8 SR3-3-1 14396 P-8 SR3-3-1 14396 P-8 SR3-3-1 14396 P-8 P-8 P-8 P-8 P-8 P-8 P-8 P-8 P-8 P-8 P	L-01	90025106	HT-01	SB2-01-01	90021804	SB3-1-1	MW2-01R	14356	MW3-1R	SB1-2-2	13286, 14210	
0.00024002 NAW1-CZ 14358 MW44-2R 5181-2-5 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14352 14452 14452 14452 14452 14452 14452 14452 14452 14452 14452 14452 14452 14452 14452 14452 14452 14452 14452 14452 14452 14452 14452	W1-01	90025102	MW1-1	SB2-01-02	90021805	SB3-1-2	MW4-01	14357	MW4-1	SB1-2-3	13287, 14211	
0002402 NW4-28 SB1-2-7 SB2-3-1 P-1	W1-62	90025101	MW1-2	SB2-01-19	90021806	SB3-1-19	MW4-02	14358	MW4-2	SB1-2-5	14352	SB1-6-5
9002401 P-2 SB2-00-01 9002230 SB3-1-1 P-1 1499 P-1 SB1-2-1 1285 1402 9002401 P-2 SB2-00-01 9002230 SB3-1-1 P-8 1499 P-8 SB1-3-1 1455 1402 9002401 P-2 SB2-00-01 9002230 SB4-1-1 P-8 1499 P-8 SB1-3-1 1455 1402 9002401 P-2 SB2-00-01 9002230 SB4-1-2 TB10-3-9 13113 TB10-3-9 SB1-3-3 1465 1470 90021713 TB-0 SB4-00-0 9002230 SB4-2-1 TB10-3-9 13190 TB11-1-9 SB1-3-3 1465 1470 90021713 TB-0 SB4-00-1 9002230 SB4-2-1 TB11-3-9 13190 TB11-1-9 SB1-3-3 1465 1470 90021713 TB-0 SB4-00-1 9002230 SB4-3-2 TB11-3-9 1450 TB11-3-9 SB1-3-3 1465 1470 900230 TB-0 9002310 SB4-3-2 TB11-3-9 1450 TB11-3-9 SB1-1-5 1450 1421 900230 TB-0 9002310 SB4-4-1 TB11-6-9 14599 TB11-7-9 1814-1-5 1350 1421 900230 TB-0 900230 TB-0 9002313 SB4-3-2 TB11-3-9 1450 TB11-7-9 14599 TB11-7-9 1814-1-5 1350 1421 900230 TB-0 900230 TB-0 9002313 SB4-3-2 TB11-3-9 1450 TB11-7-9 14599 TB11-7-9 14599 TB11-7-9 14599 TB11-7-9 14599 TB11-7-9 14599 TB11-7-9 14599 TB11-7-9 14599 TB11-7-9 14599 TB11-7-9 14599 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 1459 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7-9 TB11-7	M2-01	90024902	MW3-1	SB2-02-01	90022301	SB3-2-1	MW4-CR	14359	MW4-2R	SB1-2-5R	14353	SB1-6-5R
9002315 TB-05 SB4-01-00 9002230 SB4-1-2 TB10-30-91 13103 TB10-30-91 SB1-3-2 14554, 14271 9002310 SB4-01-02 9002230 SB4-1-2 TB10-30-91 13105 TB10-30-91 SB1-3-2 14554, 14271 9002311 TB-05 SB4-01-02 9002230 SB4-2-1 TB11-3-91 1350 TB11-3-91 SB1-3-1 13504, 14213 9002313 TB-05 SB4-03-01 9002300 SB4-2-2 TB11-3-91 13507 TB11-3-91 SB1-4-1 13504, 14213 9002313 TB-05 SB4-03-01 9002300 SB4-3-1 TB11-3-91 13504 TB11-3-91 SB1-4-1 13504, 14213 9002313 TB-05 SB4-03-01 9002300 SB4-3-1 TB11-3-91 13504 TB11-3-91 SB1-4-1 13504, 14213 9002313 TB-05 SB4-04-01 9002313 SB4-4-1 TB1P BLK. 14266 TB11-3-91 SB1-4-1 13504, 14213 9002300 TB-05 SB4-05-01 9002312 SB4-4-1 TB1P BLK. 14266 TB11-3-91 SB1-4-1 13504, 14213 9002300 TB-05 SB4-05-01 9002312 SB4-5-1 SB4-1-1 SB4-4-2 13504, 14213 9002300 TB-10 SB4-05-01 9002312 SB4-5-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-1-1 SB4-	₩4-Œ	90023901	MW4-2	SB2-03-01	20027302	SB3-3-1	- °	14397	 a. a	SB1-2-7	13288, 14212	SB1-6-7
90021712 TB-01 SB4-01-02 90022305 SB4-1-2 TB10-31-91 13160 TB10-31-91 SB1-3-3 1426/14272 90021714 TB-03 SB4-2-0 90022305 SB4-2-1 TB11-1-91 13160 TB11-1-91 SB1-4-1-1 1326/14272 90021714 TB-03 SB4-0-0 90022305 SB4-3-1 TB11-6-91 1316 TB11-1-91 SB1-4-1-1 1326/14272 90021714 TB-03 SB4-0-0 90022305 SB4-3-1 TB11-6-91 1316 TB11-6-91 SB1-4-1-1 1326/14272 90022315 TB-05 SB4-0-0 90022305 SB4-3-1 TB11-6-91 14399 TB11-6-91 SB1-4-1-3 1326/1421 90022315 TB-05 SB4-0-0 90022305 SB4-4-1 TB11-6-91 14399 TB11-7-91 SB1-4-1-3 1326/1421 90023902 TB-06 SB4-0-0 90022315 SB4-4-2 TB11-7-91 14399 TB11-7-91 SB1-4-1-SR 14349 90023902 TB-06 SB4-0-0 90022315 SB4-5-1 SB1-4-2 SB1-4-1-SR 14349 90023902 TB-0 SB4-0-0 9002315 SB4-5-1 SB1-4-1-SR 1326/1421 90024904 TB-11 SB-B-0 9002170 BD1-1 9002490 TB-11 SB-B-0 9002170 BD1-1 9002490 TB-11 SB-B-0 9002170 BD1-1 9002240 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-4-1 SB1-	4 eç	90025105	7 °C	SB4 01 01	90022304	SR4-1-1	TB10-30-91	13113	TB10-30-91		14260 14270	SR1-7-2
900234T3 TB-02 SB4-02-01 9002230 SB-2-1 TBIL-1-91 1310 TBIL-3-91 SBL-1-1 1250, 14213 90021714 TB-03 SB4-02-02 90022307 SB4-2-2 TBIL-3-91 14362 TBIL-3-91 SBL-1-1 1250, 14213 900234T3 TB-04 SB4-03-01 90022305 SB4-3-2 TBIL-3-91 14369 TBIL-3-91 SBL-1-1 1250, 14214 900224T3 TB-05 SB4-04-02 90022313 SB4-3-2 TBIL-3-91 14369 TBIL-3-91 SBL-1-1 1250, 14214 900224T3 TB-05 SB4-04-02 90022313 SB4-3-2 TBIL-3-91 14369 TBIL-3-91 SBL-1-1-3 1320, 14215 900234T3 TB-07 SB4-04-02 90022313 SB4-3-2 TBIL-3-91 TB-07 SBL-3-1 SBL-1-1-1 1320, 14215 900234T3 TB-07 SB4-05-02 90022313 SB4-3-2 TB-06 SB4-05-02 90022313 SB4-3-2 TB-10 SB-04-1 SBL-3-1 SBL-3-1 1320, 14216 9002403 TB-10 SB-04-02 9002212 SBL-3-2 SBL-3-1 1250, 14216 9002403 TB-10 SB-04-02 90022403 SB4-3-2 SBL-3-1 1250, 14216 9002403 TB-10 SB-04-02 90022403 SB4-3-1 1250, 14216 SBL-3-1 1250, 14216 9002403 TB-10 90022403 SB4-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1 1250, 14216 SBL-3-1	-0	90021712	TB-01	SB4-01-02	90022305	SB4-1-2	TB10-31-91	_	TB10-31-91		14261, 14271	SB1-7-3
90021017 TB-03 S84-02-02 90022307 S84-2-2 TB11-3-91 13301 TB11-3-91 SB1A-1-1 1320, 14213 9002101 TB-04 S84-03-01 90022308 S84-3-1 TB11-5-91 14392 TB11-5-91 SB1A-1-2 1220, 14214 90022403 TB-06 90022403 S84-04-01 90022308 S84-3-1 TB11-7-91 14392 TB11-7-91 SB1A-1-3 1220, 14214 90023402 TB-06 S84-04-02 90023313 S84-5-2 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 90023402 TB-06 S84-6-1 90023413 S84-5-2 S84-5-2 S81A-1-RI S8-8-03 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1 S84-6-1	29-1	90021713	TB-02	SB4-02-01	90022306	SB4-2-1	TB11-1-91	_	TB11-1-91		14262, 14272	SB1-7-3R
90022315 TB-05 SB4-03-0 90022308 SB4-3-1 TBI1-5-91 14399 TBI1-7-91 SBIA-1-3 1320, 14216 90022315 TB-05 SB4-04-0 90022315 SB4-4-2 TRIP BLK, 14268 TRIP BLK, SBIA-1-3 1320, 14216 90022315 TB-05 SB4-04-0 90022315 SB4-4-2 TRIP BLK, 14268 TRIP BLK, SBIA-1-5 1320, 14216 90022302 TB-06 SB4-06-01 90022313 SB4-5-1 SBIA-1-5 1320, 14216 90022902 TB-06 SB4-06-02 90022313 SB4-5-1 SBIA-1-5 1320, 14216 90022902 TB-06 SB4-06-02 90022313 SB4-5-1 SBIA-1-5 1320, 14216 90024902 TB-06 SB4-06-02 90022313 SB4-5-1 SBIA-1-5 1320, 14216 90024902 TB-11 SB-B-02 9002210 BG1-1 SB-B-02 9002170 BG1-1 SB-B-02 9002170 BG1-1 SB-B-02 9002170 BG1-1 SB-B-02 9002404 TB-11 SB-B-02 9002402 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03 SB4-06-03	-03	90021714	TB-03	SB4-02-02	90022307	SB4-2-2	TB11-3-91	13301	TB11-3-91		13290, 14213	SB1-8-1
900247B TB-05 SB4-05-10 9002310 SB4-1-2 IBIL-7-91 14399 IBIL-7-91 SB1A-1-5 IS2A, 14218 900237B TB-06 SB4-06-02 9002311 SB4-4-2 RRIPBLK 14268 TRIPBLK SB1A-1-5 IS2A, 14218 900237B TB-06 SB4-06-01 9002313 SB4-5-2 SB1A-2-1 IS2A, 14219 9002313 SB4-5-2 SB1A-2-1 IS2A, 14219 9002313 SB4-5-2 SB1A-2-1 IS2A, 14219 9002307 TB-09 SB4-06-01 9002313 SB4-5-2 SB1A-2-1 IS2A, 14219 9002307 TB-10 SB-B-01 9002313 SB4-5-2 SB1A-2-1 IS2A, 14219 9002317 TB-12 SB1A-2-1 IS2A, 14219 9002307 TB-12 SB1A-2-1 IS2A, 14219 9002307 TB-12 SB1A-2-1 IS2A, 14219 9002307 TB-12 SB1A-2-1 IS2A, 14219 SB1A-2-1 IS2A, 14219 SB1A-2-1 IS2A, 14219 SB1A-2-1 IS2A, 14219 SB1A-2-1 IS2A, 14219 SB1A-2-1 IS2A, 14219 SB1A-2-1 IS2A, 14219 SB1A-2-1 IS2A, 14219 SB1A-2-2 IS2A, 14219 SB1A-2-2 IS1A, 13181 SB1A-2-2 IS1A, 13181 SB1A-2-2 IS1A, 13181 SB1A-2-2 IS1A, 13181 SB1A-2-2 IS1A, 13181 SB1A-2-2 IS1A, 13181 SB1A-2-2 IS1A, 13181 SB1A-2-2 IS1A, 13181 SB1A-2-2 IS1A, 13181 SB1A-3-4 IS3A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A, 132A,	\$ 8	90021807	7	SB4-03-01	90022308	SB4-3-1	TB11-6-91	14362	TB11-6-91		13291, 14214	SB1-8-2
900236TB TF-07 SB4-04-02 9002311 SB4-4-2 SB1A-1-5R1 14349 9002302 TB-06 SB4-65-01 9002312 SB4-5-1 SB1A-2-2 13294, 14219 9002403 TB-10 SB-B-01 90021707 BG1-2 SB1A-2-1 13294, 14219 9002403 TB-11 SB-B-02 90021707 BG1-2 SB1A-2-1 13294, 14219 9002403 TB-11 SB-B-02 90021707 BG1-2 SB1A-2-1 13294, 14219 90025107 TB-12 SD4-02 90021707 BG1-2 SB1A-3-2 13296, 14219 SB1A-3-1 13294, 14221 SB1A-3-1 13294, 14221 SB1A-3-1 13294, 14221 SB1A-3-1 13294, 14221 SB1A-3-1 13294, 14221 SB1A-3-2 13296, 14221 SB1A-3-2 13296, 14221 SB1A-3-2 13296, 14221 SB1A-3-2 13296, 14221 SB1A-3-2 13296, 14221 SB1A-3-2 13194, 13182 SB3-1-0 13174, 13182 SB3-1-0 13174, 13182 SB3-1-0 13174, 13182 SB3-1-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200	2 <u>2</u>	90024TR	1 B - 03	SB4-04-01	90022310	SB4-4-1	TRIPRIK	14268	TRIPRIK	SB1A-1-5	13292, 14215	
90023902 TB-08 SB4-05-01 90022312 SB4-5-1 SB1A-1-5R2 14349 90024902 TB-09 SB4-05-02 90022313 SB4-5-2 SB1A-2-1 13294, 14217 90024902 TB-10 SB-B-01 900221706 BG1-2 SB1A-2-1 13294, 14217 90024004 TB-11 SB-B-02 90022402 SD4-1 SB1A-2-1 13294, 14217 90024004 TB-11 SB-B-02 90022403 SD4-2 SB1A-3-1 13294, 14217 90024004 TB-11 SB-B-02 90022403 SD4-1 13294, 14217 SB1A-3-1 13294, 14217 SB1A-3-1 13294, 14217 SB1A-3-1 13294, 14217 SB1A-3-1 13294, 14217 SB1A-3-1 13294, 14217 SB1A-3-1 13294, 14217 SB1A-3-1 13104, 13118 SB3-1-0 13174, 13187 SB3-1-0 13174, 13187 SB4-1-1 13110, 13118 SB4-1-1 13110, 13118 SB4-1-1 13117, 13187 SB4-1-1 13117, 13187 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200 SB4-3-1 13194, 13200	26-	900236TB	TB-07	SB4-04-02	9002311	SB4-4-2				SB1A-1-5R1	14348	SR1-8
90024902 TB-09 SB4-05-02 90022313 SB4-5-2 SB1A-2-1 13294, 14217 90024903 TB-10 SB-B-01 90021706 BG1-1 SB1A-2-2 13295, 14218 90024003 TB-10 SB-B-01 90021706 BG1-1 SB1A-2-2 13295, 14218 SB1A-2-2 13295, 14218 SB1A-2-2 13295, 14218 SB1A-3-4 13295, 14218 SB1A-3-2 13295, 14218 SB1A-3-4 13295, 14218 SB1A-3-4 13295, 14218 SB1A-3-4 13295, 14218 SB1A-3-4 13395, 14218 SB1A-3-4 13395, 14218 SB1A-3-4 13395, 14218 SB1A-3-4 13395, 13118 SB1A-3-1 13119, 13118 SB1A-3-1 13119, 13118 SB1A-1-2 13111, 13118 SB1A-1-2 13111, 13118 SB1A-1-2 13111, 13118 SB1A-1-2 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111, 13118 SB1A-3-1 13111	8	90023902	TB-08	SB4-05-01	90022312	SB4-5-1				SB1A-1-5R2		
9002403 TB-10 SB-B-01 90021706 BG1-1 SB1A-2-2 13395, 14218 9002404 TB-11 SB-B-02 90022407 BG1-2 SB4-3-1 13295, 14218 9002404 TB-11 SB-B-02 90022403 SD4-1 SB1A-3-2 13296, 14213 SD4-02 90022403 SD4-2 SB1A-3-2 14264, 14213 SB1A-3-4 14350 SB1A-3-4 14350 SB1A-3-4 14350 SB1A-3-6 14351 SB1A-3-6 14351 SB1A-3-6 14351 SB1A-3-1 13196, 13146 SB3-1-1 13106, 13146 SB3-1-1 13106, 13146 SB3-1-2 13176, 13186 SB4-1-2 13176, 13186 SB4-1-2 13176, 13186 SB4-2-1 13177, 13185 SB4-3-2 13178, 13187 SB4-3-2 13178, 13187 SB4-3-1 13191, 13200 SB4-3-3 13193, 13200 SB4-3-3 13193, 13200 SB4-3-3 13193, 13200 SB4-3-3 13193, 13200 SB4-3-3 13193, 13200	60-	90024802	TB-09	SB4-05-02	90022313	SB4-5-2				SB1A-2-1		
9002404 TB-11 SB-B-02 90021707 B01-2 SB1A-2-3 12296,14219 90025107 TB-12 SD4-01 90022403 SD4-2 SB1A-3-1 12929,14221 SD4-02 90022403 SD4-2 SB1A-3-3 12296,14221 SB1A-3-4 14350 SB1A-3-4 14350 SB1A-3-4 14350 SB1A-3-4 14350 SB1A-3-4 14350 SB1A-3-1 13199,13114 SB3-1-1 13199,13114 SB3-1-2 13175,13183 SB3-1-2 13175,13183 SB3-2-2 13175,13183 SB4-1-2 13174,13186 SB4-2-2 13175,13183 SB4-3-2 13175,13183 SB4-3-2 13175,13183 SB4-3-2 13175,13183 SB4-3-2 13177,13183 SB4-3-2 13175,13183 SB4-3-2 13175,13183 SB4-3-2 13175,13184 SB4-3-2 13175,13183	-10	90024903	TB-10	SB-B-01	90021706	BG1-1				SB1A-2-2	13295, 14218	
90023107 TB-12 SD4-01 90022403 SD4-1 SD4-1 SD4-1 13297, 14220 SD4-02 90022403 SD4-2 SB1A-3-1 13297, 14220 SB1A-3-4 14350 SB1A-3-4 14350 SB1A-3-4 14350 SB1A-3-4 14350 SB1A-3-6 14351 SB1A-3-1 13109, 13114 SB3-1-9 13176, 13185 SB3-1-9 13176, 13185 SB3-2-1 13110, 13116 SB4-1-1 13110, 13116 SB4-1-1 13110, 13116 SB4-2-1 13177, 13185 SB4-3-2 13197, 13200 SB4-3-2 13197, 13200 SB4-3-2 13197, 13200 SB4-3-2 13199, 13200 SB4-3-2 13199, 13200	= :	90024904	E-11	SB-B-02	90021707	BG1-2				SB1A-2-3	13296, 14219	
SBIA-3-2 1428, 14213 SBIA-3-3 1328, 14213 SBIA-3-4 14350 SBIA-3-4R 14351 SBIA-3-4R 14351 SBIA-3-6 1315, 1318 SB3-1-1 13109, 13114 SB3-1-9 13176, 1318 SB3-2-1 13176, 1318 SB3-2-2 13174, 1318 SB4-1-1 13110, 13115 SB4-1-1 13110, 13115 SB4-1-2 13177, 1318 SB4-2-2 13177, 1318 SB4-3-2 13177, 1318 SB4-3-2 13177, 1318 SB4-3-2 13177, 1318 SB4-3-2 13177, 1318 SB4-3-2 13177, 1318 SB4-3-2 13177, 1318 SB4-3-2 13177, 1318 SB4-3-2 13177, 1318 SB4-3-2 13177, 1318 SB4-3-2 13177, 1318 SB4-3-2 13177, 1318 SB4-3-2 13177, 1318	71-17	90025107		SD4-01	90022402	SD4-1				SB1A-3-1	13297, 14220	
2-5 1226, 14221 3-4 14351 3-5 14264, 14274 -1 13109, 13114 -6 13175, 13183 -9 13174, 13182 -1 13110, 13116 -2 13174, 13182 -2 13111, 13116 -6 13112, 13117 -1 13177, 13185 -2 13191, 13200 -1 13191, 13200 -1 13191, 13200 -1 13191, 13200 -1 13191, 13200 -1 13191, 13200 -1 13191, 13200 -1 13191, 13200 -1 13191, 13200 -1 13191, 13200				SD4-02	90022403	204-2				SB1A-3-2	14263, 14273	SB1-10-2
3-4 14251 3-5 14264, 14274 -1 13109, 13114 -6 13175, 13183 -9 13176, 13184 -1 13174, 13181 -2 13174, 13181 -2 13174, 13181 -1 13110, 13115 -1 13110, 13115 -1 13117, 13185 -1 13191, 13200 -1 13191, 13200 -1 13191, 13200 -1 13191, 13200 -1 13192, 13201 -1 13193, 13200 -1 13192, 13201										SD1A-3-5	132%, 14221	201-102
3-5 14264 14274 -1 13109, 13114 -6 13175, 13183 -1 13174, 13182 -1 13174, 13182 -2 13171, 13186 -6 13112, 13117 -1 13177, 13185 -2 13178, 13200 -1 13192, 13200 -4 13192, 13200 -4 13192, 13200 -4 13193, 13200 -4 13193, 13200										SR1A-3-4R	14351	SB1-10-4B
-1 13109, 13114 -6 13175, 13183 -1 13174, 13182 -1 13174, 13182 -2 13173, 13181 -2 13111, 13116 -1 13177, 13185 -1 13191, 13200 -1 13192, 13201 -4 13193, 13202 -4 13192, 13201										SB1A-3-5	14264, 14274	SB1-10-5
-6 13175, 13183 -9 13176, 13184 -1 13177, 13181 -1 13110, 13115 -2 13173, 13181 -6 13112, 13117 -1 13191, 13200 -2 13192, 13201 -4 13193, 13202 -4 13193, 13202										SB3-1-1	13109, 13114	SB3-5-1
-9 13176, 13184 -1 13174, 13182 -2 13173, 13181 -2 13111, 13116 -6 13112, 13117 -1 13177, 13185 -1 13177, 13185 -1 13191, 13200 -2 13192, 13201 -4 13193, 13202 -4 13193, 13202										SB3-1-6	13175, 13183	SB3-5-6
-1 13174, 13182 -2 13173, 13181 -1 13110, 13115 -6 13112, 13116 -1 1312, 13177, 13185 -1 13191, 13200 -2 13192, 13201 -4 13193, 13202 -4 13193, 13202										SB3-1-9	13176, 13184	SB35-9
-2 13173, 13181 -1 13110, 13115 -2 13111, 13116 -1 1312, 13177, 13185 -1 13191, 13200 -2 13192, 13201 -4 13193, 13202 -4 13193, 13202										SB3-2-1	13174, 13182	SB3-6-1
-1 13110, 13115 -2 13111, 13116 -6 13112, 13177 -1 13177, 13185 -1 13191, 13200 -2 13192, 13201 -4 13193, 13202 14395										SB3-2-2	13173, 13181	
-2 1311, 1316 -6 1317, 13187 -1 1317, 13186 -1 1319, 13200 -2 1392, 13201 -4 13193, 13202 -4 13193, 13202										SB4-1-1	13110, 13115	
-6 13112, 13177 -1 13177, 13185 -1 13191, 13200 -2 13192, 13201 -4 13193, 13202 -14395										SB4-1-2	13111, 13116	
-1 13177, 13185 -2 13178, 13186 -1 13191, 13200 -2 13192, 13201 -4 13193, 13202 14395										SB41-6	13112, 13117	SB46-6
-4 13178, 13180 -1 13191, 13200 -2 13192, 13201 -4 13193, 13202 14395										SB4-2-1	13177, 13185	SB4-7
-2 13192, 13201 -4 13193, 13202 14395										7-7-195	13101 13160	
-4 13193, 13202 14395										SB4-3-2	13192, 13201	
14395										SB4-3-4	13193, 13202	SB4-8-4
										SED-1	14395	SD4-3

Table B-2. Data Prosentation: Background Soil Samples (1999)
122nd Tactical Fighter Wing, Indiana Air National Guard, Ft. Wayne, Indiana

		ı
	Continued)	
a (1996)	Indiana (
Agents in	L. Wayne,	
ground Sc	Guard, F	
on: Back	National	
a Presentati	fisse Air	
7 0	Viol In	
Table B-	1 Pighter	
_	ctica	

SAIC ID Number	83	B-01	28-B-02	SB-B-62KE	
Laboratory Sample Number Associated Field OC Samples	8 T	90021706 FB0102	90021707 FR -61 -02	90021707RE	
	1	13-61 20-81			
SEMIVOLATILE ORGANIC COMPOUNDS	OUNDS	70-10		EW -01, -04, -04	
Phenol	F	380		¥	
bia(2—Coloroethyl)ether 2—Chlorophand	1	⊃ : 2	\$	Ž 2	
1,3-Diction openzene	[]	2 2		≨ ≵	
1,4-Dichlarobenzene	\$	360		≨:	
Benayi Alconoi 1.2 – Dichlorobenzene	3		8 8	≨ 3	
2-Methylphenol	1	368	\$	≨	
bie(2—Chloroisopropyl)ether 1—Mariadopeno	\$	2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	8	≨:	
N-Nkroso-di-N-propylamine	1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2	≨ ≵	
ě	\$	360	200	≨:	
Vitrobenzene Jeografia	\$	⊃ : 9 :	\$ {	Ź	
2-Nitrophenol	1		⊋ Ş	€≱	
24-Dimethylphenol	3	380	D 00+	≨	
	16.	D 200	2000	≨:	
on (z – Cara contrary) mennane 2.4 – Diebioros henoi			2 5 5	\$ \$	
1,2,4-Tricthorobenzene	Š	200	0.00	≨	
Naphthalene	164	98	D 00	ž	
A - Cast constitue Herechlorolist adiena	1		8 \$	≨≨	
4-Chloro-3-methylphenol	1	2 2 2	\$	≨	
2-Methylnapht balene	3	360	D 007	Ź	
Hemchiorocyclopentaliene 2 4 4 - Thichtomband	2		\$ {	\$	
145-Trichlarophenol		200	2000	€ ₹	
2-Chloronaphthalene	15	380	D 00₽	ź	
2-Nitrospiline Dimethy Pithales	3		2000	\$ \$	
Acenaphibelene			3 4	X X	
,6-Dinitratoluene	1	360	1 00 1 00 1 00	ź	
- Nitrosniline	ş	1800 U	2000 U	¥:	
A_Distraction	J.		2 5	≨ \$	
1-Nitrophenol		200	1000Z	€ ≵	
Dibenzofuran	1	300	100 4	ź	
24-Dinkratoluene	16	2 8	100 1	ž	
Action Finance I-Chloropheral - phenal Ether			3 \$	\$ \$	
Pluarene	1	200	9	≨	
I-Nitroaniline	16/4	⊃: 0081	D 0000	ž	
to-Lypero-L-metaypenol	2. 2.		2002	\$	
1-Bromopheryl phenyl Ether			3 5	£ £	
Herachlarobenzene	\$	200€	2 00+	ž	
remachiorophenol Prepart hope	,		2000	\$ \$	
Anthracene	1) ()	3 9	€ ≱	
H-N-Butylphthalate	3	300	D 00+	ź	
Fluoranthene Sense	\$	ន្តទ	25	≨:	
Suralberral Phebalate				\$ \$	
3. Dictionobenzidine	{ \$	2	810 U	₹	
Senso(a)anthracene	5	2 : 8 :	⊃: 2 {	≨;	
Age - Ethylberyl) phrhalae	14		3 9	£ \$	
H-N-Octyl Pichalate	1	380	D 000	≨	
Benzo(b)fluctanthene	Į.	2	D 00€	≨:	
Senso(E jiwaran bene Senso(a jiwaran	3 4	360	\$	≨ ≵	
ndeno(1,2,3 -c,d)pyrene		2	3		
3	3	⊃: 8;	D 8	≨:	
genec(Fp) betylene	Ş	⊃ 98	O 004	Ź	

Table B-2. Data Protentation: Background Soil Samples (1990) 122nd Tactical Fighter Wing, Indiana Air National Guard, Ft. Wayne, Indiana (Costinued)

SAIC IN THE PROPERTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR	LEGINE S		Cuard, FL. Wayne,	Indiana (Continued)
ALC ID NUMBER		28-B-01	28-8-8S	28-8-02KE
American Pieta Of Samuel		34770 50 01 02	10/17006	WWZI /O'KE
Charles of Field Co. Samples		70-01 Ta-02	70-10-91	FB-01-02
Parameter	S	EW-0102	EW-01-02-04	EW-01-02-04
SEMINOLATILE ORGANIC COMPOUNDS	<i>POUNDS</i>			J
(Coatinued)				
N-Nitrosodimethylamine	Ş	1900	2000	Ş
Z-Fredine	1	000	0.000	ž
Polyn Methanesulfonste	1		2000	£
Anline	1	1800 U	2002	€ ₹
Acetophenone	Š	1800	2000	ž
N-Nirrosopiperidine	\$	1800 U	2000 U	ž
Dimethylphenethylamine	į	1800	2000	ş
2,6-Dichtgrophenol	Ş	98	D 000	ž
1946 Translandon	Ž			ž
1-Chloropaphthalene		1800	2000	€ 4
Pertachiorobenzene		1800 U	2000	ž
1-Naphthylamine	Ş	1800	2000	ź
2-Naphthylamine	Ž	1800 U	2000	¥
1,2-Dippenyllydrazine	Ž.	20081	2000	£ :
roenscein 4-Aminobiobecud	Ž.			źź
Proceedide		2001	2000	Źá
Benzidire	1	1800	11 00002	Ç 4
p-Dimethylaminoazobenzene	Š	1800 U	2000 C	ź
7,12 - Dimethylbenzo(a)anthracene	\$	1800 U	D 900Z	ž
3-Methylcholanthrene	Ş	1800	2000 C	Ş
TIC Totals	Z.	ž	≨	ş
ORGANOCHLORING PRSTICIDA	SS/PCB		•	
alpha - BHC Aght	104	1.6 U	1.8 U	ž
beta-BHC	Ž	1.9 U	210	ž
gamma - BHC (Lindane)	1	210	240	Ž
Gene - Bric	1	250	270	\$;
Aldrin		2,50	0.7	٤ź
Heptachlor Eponide	į	23.0	797 790	ź
Endosulfan-1	Ş	23 U	26 U	ź
Dieldrin	ş	22 U	75 U	ž
Partie	2		0 87	\$ \$
Endonution-11		2 2		Şź
ddbb		250	270	ź
Endrin Aldetnyde	Ş	29 U	330	Ź
Endosulian Sulface	¥.	300	340	Ź
Ar-DUI Makenika	Ž.	0.55		Ž
Chloridana	S			\$ 3
Tomorhene		15.00	168	\$ 2
Aroclor - 1016	į	73.0 17	81018	ž
Aroclor-1221		0.026	110001	1
Araclar - 1232	Ş	920 U	1000	ź
Araclar - 1242	Ş	920 U	1000 U	≨
Aroclor - 1246	ž	73.0 U	81.0 U	ž
Aroclor 1254	Š	166	51.0 0	≨:
0.00		3,00	O OTA	
ם - נסכ ובליכו כה בשתב זה בשנה שכה חבר	NAME OF TAXABLE PARTY.	כמונכו נוחשו ולוכי ונוח	PURCHE LIGITATION LINE	11

B – the report of value is estimated because it is greater than the instrument Detection Link (IDL).

but less than the Contract Required Detection Link(RDL).

But less than the Contract Required Detection Link(RDL).

But compoundedement was also detected in the senceisted field blank.

Compoundedement was also detected in the senceisted field blank.

Lettinated surder outside control links.

Lettinated value.

MB – compoundedement was also detected in the senceisted laboratory method blank.

NA – not analyseleted.

ND – not detected.

SRR – sample surrogate recovery outside control limits.

U – compoundedement was included in analysis, but was not detected.

Associated Field QC Samples Parameter Total Petroleum Hydrocarbone		13278, 14202 13279, 14203		1200, 14204	13281, 14205 13281RE, 14205RE 13282, 14206	13281RE, 14205RE	13282, 14206	13283, 14207	13284, 14206
Parameter Total Petroleum Hydrocarbona		FB1-1	FB1-1	FB1-1	781-1	FB1-1	FB1-1	PB1-1	F81-1
Total Petroleum Hydrocarbons	Colts	1811-3-91 EB1-1,1A-1,4-1	1811-3-91 EB1-1,1A-1,4-1	EB1-1,1A-1,4-1	TB11-3-91 EB1-1.1A-1.4-1	1811-3-91 EB1-1.1A-1.4-1	7811-3-91 E81-1, 1A-1, 4-1	TB11-3-91 EB1-1.1A-1.4-1	TB11-3-91 EB1-1, 1A-1, 4-1
		220	100	20 U	0 os	VN.	0 0S	O 08	0 05
INORGANICS									
Antimony	#8/F	3 UJ(N)	3.3 U3(N)	3.5 J(N,B)	3.2 UJ(N)	٧	3.6 UJ(N)		3.3 UX(N)
Arsenic	7.	85	93	7.6 7.6 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7	7.1	Y.	8,7		1.2 J(MB,B)
Cadmium		0.09 J(B)	0.0 JD)		0.0 J(B)		(a) X (a)	0.55 XB)	
Circumian		22.2	21.1	16.7		₹ 2	163	17.4	
Copper	7	30.2 J(N.*)	28.6 J(N.*)			ž	46.2 JKN.*)		1.9 JCM
Lead	101	30.6	14.1	9.1	103	ž	20.6		2
Mercury	7	0.1 U	0.1 U	0.1 U	0.11 U	Y.	0.11 U	0.12 U	0.12 U
Nickel	184 184	263	34.7	27.9	37.4	Y Z	2	30.9	6 J(MB.B)
Selenium	797	0.21 UW	0.24 UW	0.23 UW	9.23 UW	Y :	0.24 U	0.23 UW	0.24 U
Siner	3	D 9-6	0.47 U	0.00	0.46 U	Y :	U 180	0.45 U	0.47 U
Zoc		75.9	93 (8) 93	723	(0.34 A(B) 76.1	< <	0 6730 6738	(3) (3) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	16.1 JYMB)
VOLATILE ORGANICS (SOW 3/90)	_	11 11	11 35	11 63	51415	169	11 67	3	1 61
Bromomethere)		(81)70 71	2 5	2 2 2		075
Vin Charide	NEWS	2	2 2 2	3.53	12 UKIS)			- S	12.0
Chloroethane	MENE	חב	SS U		12 UJ(IS)	62 U	D 69	0.68	12.0
Metbylene Chloride	4	2.9	27 U		25 3(1S)		32 U	⊃ 62	2
	HORE	11 U	55 U	37 U	29 X(IS)	D 29	0.63	2000	120
Carbon Disulfide	1.8/s	9	22.0	25.5	(SIXO 9	3 3 3	32 U	⊃ = & \$	ə :
			27.12	2 2	(SI)(I)		25.5	2	• •
1,2-Dichloroethene (Total)	HEAR	ם פ	D 12	28.	(SI)(N 9		32.0	2 62	2
Chloroform	HEAR	n 9	27 U	D 82	(SI)(N)		32 U	D 62	2,
1,2-Dichloroethane	- CAS) *	27 C	7 C	(SIXIO 9		3 S	⊃:	.
1 1 1 - Thinks	270	2 2	2 2 2		(81)70 71		2 :	2 2	071
Carbon Tetrachloride		2	2,52	2 28	(SIXIO)		32.0	2 2	•
Bromodichloromethane	HORE	24	27 U	28 U	(sixis)		32 U	29 U	1
1,2-Dichloropropane	HEARS))	27 U	25 C	¢ UX(IS)	310	32.5	2	n.,
CS-13-Denoropene	PAR.		0.77	9 7			25	3); • \
Dibromodianomethane		2 5	27.0	2 80	(SIAIL)		32.0	- X	
1,1,2-Trichtoroethane	HE/KE) •	27.0	nga	6 UKIS)		32.0) i	2.4
Benzene	HEAR	n,	0 LZ	28 U	(SI)(N)		32 U	29 U	D
trans-1,3-Dichloropropene	HEARS.	n 9	27 U	D 92	(SI)(IS)		32 U	D 62	η,
Bromoform	# SA 8) •	0.42 1.13) 8 7	(SI)(IS)	310	32.0	D 62	2
4 - Methyl - 2 - pentanone	100	2:	2 2 2	25.0	12 UX(1S)	25	3	(SIXO &S	2:
Tetrachione here		011	2.5	3,0	(SIXII Y	200	2 2	SIVII 96	0.71
1,1,22—Tetrachloroethane		2	27.0	2 2 2	(SIXIS)		32 U	200) 3
Toluene	#8X8	2.3	31	=	(SIXIS)	31.0	911	110 (SIS)	1
Chlorobenzene	FORE	η,	27 U	n 92	(SI)XO 9	31.0	32 U	29 U.KIS)	Ω,
Ethyl benzene) •	22	⊃ : % :	(SIXIS)	⊃ :	32.0	(SIXO 62) •
Myene	182) : • \	0.42	2:	(8) (0)) :	22.5	(SI)ro 62) • ·
Ayrene (10th)	FORE		9	3	(c) (1)	2.5	25	(81)(0.67	

the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the pa	1378.11 FB TB11—3 - EB1—1,1A—	13279, 14203 1811-1 1811-1 1811-1 1811-1 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U 180 U	13280, 14204 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 FB1-1 F	13281, 14295 F81-1 F81-1-3-91 T811-3-91 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U	13261RB. 14205RB. 14205RB. 14205RB. 1481. 13.4.1 14.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	1322, 14206 181-1 TB1-1 TB1-1-91 181-1, 1A-1, 4-1 420 U 420 U 420 U 420 U 420 U 420 U 420 U 420 U 420 U 420 U	13283, 14207 1811-1 1811-3-91 1811-1, 1A-1, 4-1 390 U 390 U 390 U	13224, 14206 FB1-1 TB11-3-91 EB1-1, 1A-1,4-
(CS (SO W	FB TB1-13	EB1-1 TB1-3-91 BB1-1,1A-1,4-1 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U	HB11-1 17B11-3-0-1 376 -1-1/4-1/4-1 376 -1-1/4-1/4-1/4-1/4-1/4-1/4-1/4-1/4-1/4-1	FB1-1 TB11-3-91 EB1-1,1A-1,4-1 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U	TB1-1 TB11-3-91 EB1-1,1A-1,4-1 NA NA NA NA NA NA NA NA NA NA NA NA NA	754 88888888	FB1-1 TB11-3-91 EB1-1,1A-1,4-1 390 U 390 U 390 U	FB1-1 TB11-3-91 EB1-1,1A-1,4-
100 (SO W	T811-3	TB11-3-91 BB1-1,1A-1,4-1 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U	111-3-91 111-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	TB11-3-91 EB1-1,1A-1,4-1 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U	-1,1A-	# 	TB11-3-91 BB1-1,1A-1,4-1 399 U 390 U 390 U	TB11-3-91 EB1-1,1A-1,4-
JB ORGANICS (300 W A)etbar sene sene higheropropane) N - propylessine e e mol	- EB1-1.1A-	BB1-1, 1A-1, 4-1 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U 360 U	1.14-1,4-	EB1-1,1A-1,4-1 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U	-114-	÷	290 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U	BB1-1,1A-1,4-
LB ORGANICS (SO W) H)ethor zene zene bloropropane) N - propylezalne e nol mol					*********	888888888	D D 066	86
if)etbar zene zene zene bloropropane) N - propylazilne e mol					\$ \$ \$\$\$\$\$\$\$\$\$\$\$		D D D D D D D D D D D D D D D D D D D	286
r)ether aene aene aene bloropropane) N - propylemine e e mol					*****		D D D S S S S S S S S S S S S S S S S S	
aene aene bloropropane) N - propykazulne e e mol					\$	188 188 188 188 188 188 188 188 188 188	D D :	25
aene aene aene bloropropane) N - propylamine e e mol					*******	182 183 183 183 183 183 183 183 183 183 183	D 26	- RE
sene sene bloropropane) N-propylamine e nol nol					********	48 U 48 U 48 U 48 U 48 U 48 U 48 U 48 U	=	36
aene bloropropane) N-propylamine e mol mol					<<<<<<><<<<<<<><<<<<<<><<<<<<<><<<<<<><<<<	28		
bloropropane) N - propylamine e noi sowy) methane				D D D D D D D D D D D D D D D D D D D	{	183	390 U	**
N - propylazaine e nod say) methane				D D D D D D D D D D D D D D D D D D D	***** ***	D 007	390	386
N – propylemine e mol mod mod mod mod				2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	22222	11 467		
N - propylamine e - propylamine nol - propylamine swy) methane					*****			3
				1 1 000 1 1 000 1 1 000 1 1 1 1 1 1 1 1	\$ \$ \$ \$ \$ \$			
				11 11 11 11 11 11 11 11 11 11 11 11 11	\$ \$\$\$;			
			3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	56 64 64 50 50 50 50 50 50 50 50 50 50 50 50 50 5	< < < :			
				66 6 6	4 4 3	288		*
		1 996 1 996 1 996 1 996 1 996	930 930 930 930 936 936 936	400 U	¥:	120 C	390 U	
		360 U 360 U 360 U 360 U	966 966 966 966 966 966	7 00 4	:	1 02¥	D 96 6	
		1 996 1 996 1 996 1 996	370 U 370 U 370 U 370 U		\$	⊃ 8 2		***
		700 C 300 C 300 C	376 U 976 U 976	U 004	4 2	D 927	∩ 96 €	**
		O 096	376 U	U 004	V	420 U		*
1.Z.4—Trichigrobenzene		O 096	370 0	11 007	· Z	11 027		1
				1907	\ Z	7 907		
acia		360 U	376 U	1907	¥ Z	1307	1 000	•
Tene		0.098	370 U	1987	**	1702		
phenol		360 U		D 004	×	420 U	3 966	**
	370 U	360 U	376 U	100 4	×	0.027		*
		360 U	370 U	400 U	₹Z	420 U		*
2-Methylnaphthalene		360 U	370 U	700 A	₹Z	U 624	390 U	25
75	1800 U	1700 U	U 0081	2000 U	4 2	2000 U	U 0061	D 881
thalene		300 €	370 U	100 C	4 2	450 U	D 860	86
		1700 U	1800 U	2000 U	< z	2000 U	D 0061	
Dimethyl phthalate µg/kg		360 U	370 U	J 004	₹z	U 023	D 046	
		360 U	370 U	7 00 1	<u>ح</u>	O 024		
2		360 U	37 6 U	700¥	×	420 U	396 (
3-Nitrosniline	1800 U	J 9071	1800 U	2000 U	X	2000 U	D 0061	*
		360 U	370 U	100 A	4 Z	450 U		25
enol		U 0011	1800 U	2000 U	< 2	2000 U		
		1700 U	U 0001	2000 U	4 2	2000 U		9061
Dibenzoluran µg/kg		360	370 U	400 C	٧	D 02+		
2,4-Dinitrotoluene		360 U	J 076	U 004	< 2	100¥		25
	370 U	360 U	370 U	400 U	۲ ۲	450 U	396 €	D 846
oppenyl pbenyl etber		360 U	370 U	7 00 4	۲ ۲	1 0Z+	386	*
Fluor ene AgArg		360 U	370 U	400 U	4 2	750 U	∩ 06€	*
		1700 U	1600 U	2000 U	٧x	2000 U	∩ 00¢1	
4,4-Dinitro-2-methylphenol Ag/kg	1800 U	J 997.	D 0001	2000 U	₹ Z	2000 U	20041	<u>*</u>
			25		۷: ۲:	0.024	2	
כוש כנסם		2000	250	3	X	27.	D R	
	•	0.000	0 P/s	2 2007	Š	0 83	0.000	
remot		0.00/1	300	2006	≨ :	0 9097		
Phenenthrene		410	370 0	0.007	Y	0.024		
	370 U	0.000	25	56	¥ :	200		
			2 :	0.004	4	0 824	0 266	
TAGE DUCKETE STREET	370	200	283	0.00	₹:	720 0		K :

Table	B-3. Da	ta Presentation: B	Table B-3. Data Presentation: Background Soil Sampl	ples (1991) – 122 ¹⁴ Tactical Pighter Wing, Indiana Air National Guard, Ft. Wayne, Indiana (Continued)	etical Pighter Wing,	Indiana Air Nationa	f Guard, Pt. Wayne	3, Indiana (Centinue	T
SAIC ID Number		BG1-1-1	BG1-1-2	BG1-1-3	B01-1-4	BG1-1-4RE	BG2-1-1	BG2-1-2	BG2-1-3
Laboratory Sample Number		13278, 14202	13279, 14203	13280, 14204	13281, 14205	13281RE, 14205RE	13282, 14206	13283, 14207	13264, 14286
Associated Field QC Samples		FB1-1	PB1-1	FB1-1	FB1-1	FB1-1	FB1-1	FB1-1	FB1-1
•		TB11-3-91	TB11-3-91	TB11-3-91	TB11-3-91	TB11-3-91	TE11-3-91	TB11-3-91	TB11-3-91
Parameta	2 2 2	EB1-1, 1A-1, 4-1	EB1-1,1A-1,4-1	EB1-1, 1A-1, 4-1	E81-1.1A-1.4-1	EB1-1, 1A-1, 4-1	EB1-1, 1A-1, 4-1	EB1-1, 1A-1, 4-1	BB1-1.1A-1.4-1
SEMIVOLATILE ORGANICS (SOW 3799)	OW3/90)								
(Continued)									
Pyrene	HE/KE	1600	099	370 U	∩ 90 +	ž	⊃ 87	390 C	386
Buxyfbenzyfpbthafate	HEAR	370 U	360 U	370 U	100 t	Ž	759 €	386	2 88
3,3' - Dichlorobenzidine	MENE	370 ∪	360 U	370 U	→ 00	×	1 97.7	390 U	2000
Bengo(a)anthracene	HE/RE	1000	360 ∪	370 U	100 T	×	130 U	386	200
Chrysene	MEAN.	370 €	06+	370 U	D 007	VX	128 U	2000	⊃ 9 €
bis(2-Ethyfbenyf)pbthalate	HEAR	370 U	370	370 U	U 004	ž	⊃ 92 7	386	286
di - N - Octyl phthalate	MERE	37 0 U	Ω 09E	370 U	U 004	×	20 €	396 0	2 886
Benzo(b)(Norranthene	MEARS	2200	1000	378 U	2004	×	7.82	396 U	2000
Benzo(k) du cranthene	r Cks	370 U	360 €	370 U	100 t	₹z	D 623	396	D 866
Benzo(a)pyrene	MEAR	118	360 ∪	J 976 U	100 €	۲ ۲	∩ 027	390 €	268
Indeno(1,2,3-cd)pyrene	ACA	370 U	360 €	370 U	2004	₹Z	120 €	296€	288
Dibenso(a,b)anthracene	APAS	370 U	360	370 U	100 C	Š	1967	390 C	38 C
Benzo(g,bJ)perylene	r PAS	376.0	360 U	370 U	100 P	*	150 U	390 U	266
TIC Total	MENKE	1.350(25)	13700 (20)	12070 (20)	2650 (12)	₹	2270(6)	8836 (20)	4200 (18)
R - the renorted value is assimated b		greater than the last age	acause it is greater than the last ament Detection I mit (IDI.) he	hast loce than the Contract Required	Onlined Detection Imit/CPD				

B – the reported value is estimated because it is greater than tisk (1954 unsent Detection Limit (10L), but less than the Contract Required Detection Limit(CRDL).

15 – interreal standard outside control limits

1 – estimated value.

18 – estimated value is not selected in the associated laboratory method blank.

19 – some pound detected in the associated laboratory method blank.

10 – estimated sample recovery outside of control limits.

11 – compound detected in analysis, but was not detected.

12 – compound detected in analysis, but was not detected.

13 – deplicate ample analysis outside of control limits.

14 – deplicate analysis outside of control limits.

Table B.-4. Data Presentation: Site 1 -- Fire Training Area -- Soil Samples (1990) 122th Tactical Fisher Wine Indiana Air National Guard Pr. Wavne Indiana

SAIC ID North		CB1_01-11	12 22	Tactical Fighter	Cot Man Indiana Air	National Guard,	Pt. Wayne, Indi	201 A1 A1	W igs	60 14 160
Laboratory Sample Number		90021702		90021701	90021801	20021006	90021803	90021703	A0C17000	SOC12008
Associated Field QC Samples		FB-01,-02		FB-01,-02	FB-01,-02	FB-01,-02	FB-01,-02	PB-01,-02	FB-01,-02	FB01,02
	:	6-61 E	٠	10-EI	3 -61	¥.	4	29-62	29-EE	2
Personeter		EW-01,-02		W-01,-02	EW-03-W	EW-03-04	EW-63-04	EW-01,-02	EW-01,-62	EW-01-60
I dial retrocum riyatements		2	(TE)	ruko er	1	9	2	2		2
METALS	•	;		i	i	į	;	;	;	;
Arrigony		£ \$		≨ ;	≨ ≨	X ;	≨ :	ž	≨ ;	≨ ;
Berdhum		£1.		278	\$ 9		Ş	2 3		Ş
Cadmium	1		J(MB,B)	0.21 U	0.24 J(MB,B)			0.60 J(MB,B)		_
Chromium	Š	11.13		8.7	972			27.00		95
Copper		8. SE CI		88.	19.76 6.761		27.00	9.66	27.75	R 5
Mareury		įź		2	2			ž		ź
Nickel	1	16.98 3(<u>R</u>	17.00	23.30			2.62		23.00
Selenium	1	≨.		≨.	≨;			ž		≨:
	2	0 62.1		1.20 0	0 87					∩ 87.
Transluces Zinc	įį	2	£	17.8	62.30 J(FB)	49.20 J(FB)	42.30 J(FB)		S4.40 J(PB)	33.20 J(FB)
NON ATTIR OPGANIC COMPONINDS	SUN									
Chloringthan	a de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de la constantia de l	¥N		¥X	*	NA.	¥X	7	4	2
Bromomethane		Ź		ž	ž	≨	≨	ź	₹	\$
Vinyl Chloride	Ş	ž		ž	ş	ž	ş	Ź	Ź	≨
Charoethane	Ž.	ž		Ž 2	≨ ≩	£ 2	≨ \$	≨ }	≨ ≩	≨ ≩
Actions		<u> </u>		X	₹ ≵	\$ \$	≨ ≨	≨ ≨	\$ \$	\$ \$
Carbon Disulfide	Š	ž		ž	ź	ş	Ź	ž	ş	ź
1,1-Dictrioroethene	Š	≨:		≨;	≨:	Į:	≨:	≨:	¥	ž
1,1-Deficient base (cas)	\$	₹ 2		\$	≨ ≨	≨ ≴	£ 2	£ 3	≨ ≱	\$ \$
Chloreform		€ ≨		€ ≨	€ ≨	Š	≨ ≨	₹ ₹	€ ≨	ŠŽ
1,2-Dichloroethane	1	¥		¥	ź	¥	ź	ž	ş	ž
2-Butanone	Ž.	≨:		≨:	≨:	¥:	≨:	≨:	≨:	ž
1,1,1—Trefforethene	\$	\$ \$		\$ \$	\$ \$	S 2	≨ ≨	<u> </u>	≨ ≨	\$ \$
Vird Actate		≦≨		€ ≨	≨	₹	≨	₹ ≨	€ ≨	≨ ≨
Bromodichlor omethane	Ž	ž		Ź	ş	ž	Ź	ž	Ź	ž
1,2-Dichloropropane	Š	≨:		≨:	≨:	≨:	≨:	Ž :	≨:	≨:
cis ~ 1,3 = Uncincropropens Trichicrosthers	1	₹ ₹		≨ ≵	≨ ≵	₹ ₹	≨ ≵	\$ \$	≨ ≵	\$ \$
Dibromochloromethane	1	ž		ş	.≨	Ź	ź	≨	≨	ź
1,1.2—Trichloroethane	Ş	£ :		≨:	≨;	Ž	≨;	≨:	≨:	ž
Sentiene trees 1 3 Die Monore genera	\$	£ 3		¢ 2	\$ \$	Ž 2	£ \$	£ 2	S 3	\$ \$
Bromoform		≨ ≨		€ ≨	₹\$	∑	€ ≨	€ ≨	€ ≨	€ ≨
4-Methyt-2-pentanone	\$	ž		Ź	≨:	Ź	Ź	ž	≨	ź
2-Heranone	\$	\$ \$		≨;	≨ \$	ž	≨:	≨;	\$ 3	ž
1.1.2.2—Tetrachkorosthana		Ź		≨ ≨	€ ≨	≨ ≵	€ ≨	£ ž	€ ≵	£ ź
Toluene	1	ž		ž	≨	ž	Ź	¥	ž	ž
Chlorobenzene	Š	ž		≨:	≨:	ž	Į:	¥:	≨:	≨:
Ethylbensene	\$	ž		ž	≨ ≥	žž	ź	≨ }	≨ ≩	4 2
Total Xvienes		\$ \$		₹ ≵	₹ ≵	₹ ₹	€ ≵	\$ \$	≨ ≵	\$ \$
2-Charoettyl Vinyl Biber	Š	ž		ź	Ź	ž	ź	ź	ź	ź
lodomethane	\$	ž		≨:	≨:	≨:	ž	ž	≨:	ž
Acrotein	į	\$ \$		≨ ≨	≨ ≴	\$ \$	≨ ≨	Ž 2	≨ ≱	≨ ≵
Dibromomethane		₹		₹	≨	≨≨	€ ≨	≨≨	₹	≨ ≨
1,23-Trichloropropene	\$	≨ ∶		¥	≨:	ž	Į:	ž	≨:	¥
1,4-Dichigrobutane Potal Mathematics	1	\$ \$		\$	£ 2	\$ \$	£ \$	≨ ≨	≨ ≨	ž ž
Tricideroflucromet hane		£ £		€ ≨	€ ≨	₹.	₹	≨≨	≨ ≨	≨ ≵
Dichlorodifluoromethene	I	ž		ž	≨.	≨:	ş	ž	ž	Ź
TICTORIS	Ĭ	Ę		Š.	\$	£	ş	ž	≨	۷ ۷

_	
9	_
2	3
Ė	
. ž	1
봊	•
-	:
3	:
2	
쩅	۰
Ġ,	
ı	
	i
2	١
<	i
¥	
-5	
-5	
Ξ	1
- Pire Tra	٠
.≝	
2	:
	٠
-	ï
鱼	٠
菠	•
•••	
ă	•
·š	
5	1
8	
ž	:
E	į
=	
킇	,
ã	
-,	· · · · · · · · · · · · · · · · · · ·
7	۰
9	
ž	1
₫.	į
-	١
	1
	1

Associated Field QC Samples Associated Field QC Samples BENDALL D Future SERVING ATTLE OR GANIC COMPOUNDS From the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compound of the Compoun	500 170 170 170 170 170 170 170 170 170 1	201-02-03 90021801 FB-01,-02 TB-04 EW-03,-04	9021802 FB-01,-02 TB-04		201-02-02 90021703 FB-01-02 FB-02 EW-01-02	261-00-00 90021764 FB-01,-02 TB-02 EW-01,-02	201-10-18 90021705 FB-01-02 7B-02 FW-61-62
PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0; PB-0	FB-01-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-02 EW -11-	FB-01,-02 TB-04 EW-03,-04	78-01, -02 178-04		FB-01,-02 TB-02 EW-01,-02	FB-01,-02 TB-02 EW-01,-02	78-01-02 78-02 7W-01-02
Unba BW-01. Unba BW-01. Edward Left Left Left Left Left Left Left Left	5W -91 -02 -02 -02 -02 -02 -02 -02 -02 -02 -02	TB-04 EW-03-04	5 5 6 6 6 6 6 6 6 6 6 6		TB -02 EW-01,-02	TB-62 EW-01,-62	78-62 FW-61-62
	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	EW - W.			24 - 67 - AC	EW -01, -04	
			- M- MG				- 44 ··
		430 U	390 C		410 U	□ 69 .	350 U
		⊃: 8:	⊃: 8:		2:	⊃: 9 :	⊃: 88:
		3 5					
		3	286		4	3	2 28
		20 C	D 066		410 U	380 (356 U
	38000)
	380 C	0.00	2000		D 94	2 2 2	350 U
		20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 40 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45 20 45	⊃ 26 6 7 8 8		710 C	⊃ :: 8	380 U
	2 2 2	3	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		790	3	388
	380 C	D :	⊃: 86		19	D :	380 U
		\$ 5 5 5 5 5			100		2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	380 U	0.00	2000		100	D 98	380
	D 00.1	2160 U	⊃ : 961		D 000Z	D 9091	J 00/1
	2008	3 5					200
	380 U	7 0C)	2006		710 C	2	350 U
	388	95 5	2 5		7 414 C	2 2	28.
	386	3 3	286				200
	380 U	7.00.T	380		410 U	3000	350 U
	⊃ : 82 :	50	2 5 6 6		2	2 S	200
		3 3					386
777777 1111111	U 00/1	2100 U	D 0061		D 0002	7 0001	U 00/1
	350	200	D 000		2 410 C	2 1	2000
2	380 C	200	2 266		410 C		38.
777	380 C	D 00	3000		D : 017	D 986	350 U
22	330.0				0 614 11 0000		
Syder.	38	0.00	2 2 2		410 0	22	38
	D 0021	2100 U	D 0061		D 0002	D 0001	U 00.1
		2160 C			2000 0) 96.
luene after 000		3	2 006		100	3	380 U
00+ Syst	380	D :	⊃ : 8€		200	2000	350 U
\$ \$	S S				200		2000
oiline AgAg 2000	92.	2100 U	1900 U		2000	1900 U	D 0071
9007 Syder	96.	2160 U			2000	2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000 2 000	1 50 C
Aber Aging 400	320	D 85	2006		710 0	360 C	350 U
refts 400	S. F	\$ £	2 5		0 10 C	2 2 2 3 3 4	200
\$	28	2000	28		2004	200	380 0
aver a second	35	9	25		2:	⊃: 88	380 C
\$	38	3	2.00.2		100	2 2	380 C
200	350	D 007	28		707	360	350 U
8 5		2 5				28.5	0 0 E
Į.		5	286	9	2	9	38
100 400 400 400 400 400 400 400 400 400		2 9 5					98
\$ 100 m	92	0.05	200			200	380 0
\$ 1	35	\$ \$	 2			⊃ = 9 , §	38
	98) 8	22) = S	30.08
2	25	2 : 3 :	2 8 1		2	⊃: £ ;	286
\$\$	38	38	22				350 U

Table B.-4. Data Presentation: Site 1 - Fire Training Area - Soil Samples (1999) 122nd Tactical Fighter Wing, Indiana Air National Guard, Ft. Wayne, Indiana (Continued)

Column	C. Samples (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017	CATO ID Number		122 T T	Taction Fighter Wing Indiana	COLUM-63	Air National Chard, Pt. V	Wayne, Indiana	Continued)	K91 - M - 6K	601 M 10
The control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the	Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of C. Samples Part of	Laboratory Sepple Number	5	0021702	90021701	90021801	6	,	90021703	70/1700	\$40.12008
The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The property The		Associated Field QC Samples	æ	ᅙ	FB-01,-02	FB-01,-02	FB-01,-02	PB-01,-02	FB-01,-02	FB-01,-62	FB-01,-02
The Control Control Line 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 1	Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Interpretation Inte	•		F	1	13-61 14-61	13	18-6L	3-81	13 P	TB67
Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Cont		Parameter	Colts	힘	EW-01,-02	EW-63,-04	EW-03-04	EW-03,-04	EW-01,-02	EW-01,-62	EW-01,-02
The control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the	Interdytentine	Continued	MICOUNIES								
Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colo	Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Sect	N-Nitrosodimethylamine	me Are	11 0002	1700 11	2100 11	1900	1700 11	11 00000	1 ABB 1	TI SHCT
The continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues with the continues	Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle Particle	2-Picoline	a de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de l	2000	1700 U	2100 U	20061	1700	2000		2007
The control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Par	Methyl Methanesulfonate	He Ag	2002	J 0071	2100 U	1980 U 0861	D 98.1	∩ 000Z	D 0001	1360
The control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990	Extry Methanesulfonate	1	2000 €	1700 U	2100 U	J 0061	1380	⊃ 000Z	1900	⊃ 98. 1
The control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700	Aniline	FEAR	2000	1700 U	2100 U	D 0061	D 00/1	⊃ 0007	1 000 L	U 6971
### A continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue of the continue	Principation	Acetophenone	16. 16.	2000	136	2100	200	1300 T	7000	200	200
The control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	### Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Co	N - Nitrosopiperidine	Ž.	0.000	0.00%	2100 U	006	1700	2000		98.
### ### ### #### #### #### #### #######	### Collinative supply 2000 1700 1700 1700 1700 1700 1700 1700	Currently poener by tensing	3			0 2817		200	2000		
Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column C	Technological Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control	N-Misses 4 - M-h-massing									
Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Par	with intercent and the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of th	1 2 4 5 Telepoplement	1								
Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column C	Principle 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 17	Long Age - a set make a consideration			1 000						
Section Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Cont	International Property 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,0	Part of Control of Control									
Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part	Principle 1975 2000 1700 2100 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 19	W	3			3			2		3
Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part	Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Principle Prin		Į.		0.00	0 6017					
The control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the	Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery Picery P	- Naphthylamine	Š	2000	1700 U	2100 U	1900 C	7 9 0	2002	1600 U	780 C
Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part	Principal	,2-Diphenylbydrazine	1	2002	1700 U	2100 C	1900 U	285	2000	1800 U	1.00KI
1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700	Principal Aught 2000 U 1700 U 2100 U 1900 U	Thenacetin	1	⊃ 966	J 90/1	2100 U	1906 L	1700 C	2000	D 0001	⊃ 9 2.1
1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700	1900 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700	1-Aminobipbenyl	3	⊃ 909 2	1700 U	2100 U	1900 U	⊃ 99 (1	⊃ 896%	1880 U	U 00/1
Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Sect	1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700	Tronsmide	ş	2002	J 00/1	2100 U	1900 U	U 00/1	⊃ 200 2	1880 U	U 60/1
Second continuence 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000	1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700	Jenzidios	FOR	2000 C	1700 U	2100 U	D 0061	1700 U	2000	U 6081	1700 U
CLINGERS March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March M	CHLORING PRSTICIDESPC26	- Dimethylaminoszobenzene	HE/E	2000	1700 U	2100 U	1900 U	17001	2000 €	U 0001	U 6971
CHAPTER PESTYCINESSPCER	Coll. Coll. 1700 U 1700 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900	.12-Dimethylbenzo(a)anthracene	me Are	2000 U	U 0071	2100 U	1900	1,007	2000	110001	2 982
### C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C. C.C.	### CALORENGE PRESTICIDES PROPER ***C. (Lindane)	-Methylcholanthrene	a a	2000	1700 U	2100 U	19061	1380	7000	2 9091	2007.
CHALOR INE PRESTICIDES PRODUCES CHALOR INE PRESTICIDES PRODUCES SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY SECURITY	CHLORINE PRSTICIDESPC26 CLindare)	TC Totals	Ž	ş	¥	ž	ž	ž	Ź	≨	Ź
C(Lindace)	### CFLORING PRESTICIORESPECES 1987		, ,								
### NA NA NA NA NA NA NA NA NA NA NA NA NA	Continue Paging	RGANOCHLORING PRSTICID	BS/PCB	į	;	;					
C. (Induse)	C. (Lindano)	ipta – Britc	ž	¥.	Į.	Y	ž	≨	≨	ž	≨
Continuency 1495	C (Lindane) May 18	de-BHC	Ž	ž	≨	≨	¥	Ź	≨	≨	ž
Fig. 2	Boroide	amms - BHC (Lindene)	že Š	≨	ş	Ş	Ş	≨	≨	ş	¥
Boarde 1985 NA NA NA NA NA NA NA N	Part	eta - SHC	Ž	ž	ş	Ź	Ş	≨	≨	£	≨
Bonde	Pocacide	leptachlor	Ž	Ź	≨.	≨.	≨	≨	£	Ź	≨
N.	NA NA NA NA NA NA NA NA NA NA NA NA NA N		Į.	≨:	≨:	≨:	≨:	≨:	ž	≨:	≨:
NA NA NA NA NA NA NA NA NA NA NA NA NA N	NA NA NA NA NA NA NA NA NA NA NA NA NA N	leptachior Eponide	Ž	≨:	≨:	S	ş	≨.	≨	ž	Ź
NA	NA NA NA NA NA NA NA NA NA NA NA NA NA N	-dejinp-	Ę	ž	ž	≨	¥	≨	≨	Ź	≨
NA	NA NA NA NA NA NA NA NA NA NA NA NA NA N	Xeldrin	ž	Ź	Ź	Ş	ž	≨	≨	ž	ž
NA	NA NA NA NA NA NA NA NA NA NA NA NA NA N	#DDE	ie de	Ź	≨	≨	Ź	≨	≨	≨	¥
NA NA NA NA NA NA NA NA NA NA NA NA NA N	NA NA NA NA NA NA NA NA NA NA NA NA NA N	Indrin	3	£	Ş	Ş	ž	≨	≨	Ş	≨
N. N. N. N. N. N. N. N.	N. N. N. N. N. N. N. N. N. N. N. N. N. N	(ndosul(se-1)	a Par	2	ž	ž	ž	ž	ž	ž	ž
N.	NA NA NA NA NA NA NA NA NA NA NA NA NA N	- DDD	No.	ž	Z	¥.	Ž	Ž	ž	¥.	2
N.	NA NA NA NA NA NA NA NA NA NA NA NA NA N	Indrin Aldebade		ž	¥	ž	¥Z	. ₹	2	Ž	. ≱
NA	NA NA NA NA NA NA NA NA NA NA NA NA NA N	Indontalian Outline		2	Ž	2	* 2	[≱	₹\$	Ž	2
N	NA NA NA NA NA NA NA NA NA NA NA NA NA N			2 3	2	2	5	£ 3	<u> </u>	5 2	§ 3
NA NA NA NA NA NA NA NA NA NA NA NA NA N	NA NA NA NA NA NA NA NA NA NA NA NA NA N	Ash market		٤\$	≦ ≨	<u> </u>	≨ ≩	\$ \$	£ \$	€ 3	E 3
NA NA NA NA NA NA NA NA NA NA NA NA NA N	NA NA NA NA NA NA NA NA NA NA NA NA NA N			£ ;	£ ;	5	£:	٤ ۽	2	§ :	€ :
N. N. N. N. N. N. N. N. N. N. N. N. N. N	NA NA NA NA NA NA NA NA NA NA NA NA NA N			٤ ۽	\$ \$	E 3	\$ 3	£ 3	€ 3	23	€ 3
NA NA NA NA NA NA NA NA NA NA NA NA NA N	NA NA NA NA NA NA NA NA NA NA NA NA NA N	Localization 1016	2	<u> </u>	§	£ 3	Ęź	£ 2	€ 3	€ 3	§ \$
NA NA NA NA NA NA NA NA NA NA NA NA NA N	NA NA NA NA NA NA NA NA NA NA NA NA NA N	trocker 123		£ \$	<u> </u>	5 2	\$ 2	§ 3	€ ≨	5 3	\$
NA NA NA NA NA NA NA NA NA NA NA NA NA N	NA NA NA NA NA NA NA NA NA NA NA NA NA N		2	٤3	£ 3	≨3	Ę	≨ 3	£ 2	€ 3	٤ź
NA NA NA NA NA NA NA NA NA NA NA NA NA N	NA NA NA NA NA NA NA NA NA NA NA NA NA N		9	Ę	23	£ \$	\$ 3	Š	€ 3	€ 3	≨ ;
NA NA NA NA NA NA NA NA NA NA NA NA NA N	NA NA NA NA NA NA NA NA NA NA NA NA NA N	7-71 - Deport	\$	£ :	Ę	Ş	S :	€ :	≨ :	€:	≨ :
NA NA NA NA NA NA NA NA NA NA NA NA NA N	NA NA NA NA NA NA NA NA NA NA NA NA NA N		3	٤;	£ ;	\$ 3	§ :	E :	≨ ;	≨ ;	≨ ;
than the Instrument Detection Link (IDL), but less than the Contract Required Detection Limit(CRDL) link link listed laboratory method blank se not detected	than the Instrument Detection Light (IDL), but less than the Contract Required Detection Listed field blank listed listed letd blank listed laboratory method blank se not detected	Amelon 1246	3 1		\$ \$	€ ≱	Žá	Ę	£ \$	£ 2	£ 3
inced field blank. Hank clased laboratory meethod blank. se not detected	iaced field blank. Hank clased laboratory meethod blank. se not detected	R = the provided value is definated by	A STATE OF THE PARTY OF	ter than the India	5	100	Continue Damine	1		<u> </u>	5
lienk clated laboratory as not detected	lienk clated laboratory se not detected	PB = company defended was also dete	aded in the sec	1	•		a camera vedence	1	3		
clated laboratory as not detected	clated laboratory as not detected	HT - secucie sostwie toldine (inseco	rater than cont	1	ŕ						
clated laboratory as not detected	clated laboratory as not detected	- estimated value									
LA – not analyzed J – compoundédement was included in analysis, but was not detected	(A – not analyzed J – compoundielement was included in analysis, but was not detected	AB compound/element was also de	tected in the m	nociated laborator							
2	T S	(A - not analyzed									
		 compound/element was included 	in analysis, but	100							

The color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the	SAIC ID Number		SB1-04-01	SB1-04-01 SB1-04-02 SB1-04-022E SB1-04-03	SB1-64-02RE	SB1-64-63	SB1-04-04
Dig	Laboratory Sample Number Associated Field OC Samples	-	90023601 1B-010203	90023602 FB - 01 02 - 03	90023602RE FB-010203		90023664 FB01,0203
10				78-02 20-31	19-61 19-61	} }	10-EL
No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No.	I da l'Petroleum Hydrocarbons	Sa/Sa	2400		₹	1400	1100
NA NA NA NA NA NA NA NA	METALS						
COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS COMPOUNDS	Artimony	me/te	ž		ž	≨:	
COMPOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS CONTOUNDS	Arsenic		≨!		≨ ≨	≨!	
2004700/10/28 2004700/10/28 2004700/10/28 2004700/10/28 2004700/10/28 2004700/10/28 2004700/10/28 2004700/10/28 200470/29 2004700/10/28 2004700/10/28 2004700/10/28 2004700/10/28 2004700/10/28 2004700/10/28 2004700/10/28 2004700/10/28 2004700/10/28 2004700/10/28 2004700/10/28 2004700/10/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700/28 2004700	Detyllion		0.66 J/MB		€ ≨	6.79 J(34B)	
NA NA NA NA NA NA NA NA	Chromium	1	19.40		ž	28.50	
COMPOUNDS NAME AND ADDRESS OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF	Copper	3	223		≨á	8 5	
COMPOUNDS THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA			3 2		₹ ≵	Ž	
	Notes		24.8		€ ≨	2 2	
COMPOUNDS NA NA NA NA NA NA NA NA NA NA NA NA NA N	Selenium	2	Ź	¥	ş	Ş	
		5	⊃ 8 .3	 	٤ź		
### ### ### ### ### ### ### ### ### ##	Zine		23	55.80 55.80	€ ≨	źŻ	
	VOLATILB ORGANIC COMP	SONOC					
	Chloromethane	16	110	N 21	12 U	120	3
	Bromomethane	Į.) ::	22.5	22.	2:	3:
	Viny Change		2 =	026	25	25	3
	Methylene Chloride			29			2 %
	Lestone	Š	חו	12 U	12 0	_	3
### ### ### ### ### ### ### ### ### ##	Perbon Disulfide	1	3);	3	3;	그: 유:
######################################	1 - Dichorothene	2	חר פי	-	-	? ;	2 5
######################################	1.2—Diebloosthere (total)			2	3		2 2
######################################	Moreform		3	2	3	3	2
#### 110	1,2-Dictacroethane	15	30	7	7	7	⊃: \$2
#### 110 110 110 110 110 110 110 110 110	-Butanone	Š	= `	22,	120	15 C	3 ;
### ### ### ### ### ### ### ### ### ##	L. I. I. — I TOTAL COLLEGIO Techno Telescophysical	1	•	2 =	3 =	? =	2 =
######################################	Viori Acesse	1) :: ::	2021	22.0	120	3
#### 60 60 60 60 60 60 60 60 60 60 60 60 60	Bromodictiloromethane	3	0.9	2	7	3	2
### ### ### ### ### ### ### ### ### ##	1,2-Dictrioropropane	Ž) •) •	29) •	2 8
### ### ### ### ### ### ### ### ### ##	is-1,3-Dichtoropropene	2	3;	3 :	3:	9	⊃: R:
## ## ## ## ## ## ## ## ## ## ## ## ##	Inchesocherse Otherschiebers		•	2 4	9 9	• •	2 2 3
### ### ### ### ### ### ### ### ### ##	1,1,2-Trichloroethane	1	3	n.	3	2	2
#### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### 40 ### ###	Benzene	2	30	?	7	2	2
10 10 10 10 10 10 10 10	rans-1,3-Dichloropropene	Š	3	9 ;	3;	3:	25
### 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Bromotor m 4 Marked 3 need anger	1	•	13 111150	2 2	2 2	2 5
#### 90	2-Heranone	1	=	12 UJ(IS)	12 U	120	3
	Tetrachloroethene	1	30	(SI)(D)	2	>	2
Viryl Biber Aging 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60 (UKS) 60	1,1,2,2—Tetrachkoroethane	Ž.	÷;	(S)(13)	3,	⊋,	⊃ R;
Virgi Biber Apple 60 (VIS) 60 60 60 60 60 60 60 60 60 60 60 60 60	Toluene	5	8	278 (518K,15)	8	•	98
Vinyl Bibar Apple Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color	Staffbenzene		2		3	2	3
	Ryrene	Ž	3	(SI)(II)	2	7.	200
	Fotal Xylenes	Š);	(a)(i)	9	•	⊃: Զ :
### ### ### ### ### ### ### ### ### ##	2—Chlor cethyl Vinyl Bither Lodomethere	1	22	120	120	22	3 3
#### ### ### ### ### ### ### ### ### #	Acrolein	į	4 :	. 4) 9	3	240 U
	Accylonitrile	Ž.	∓ :	\$	₽	\$	⊃92 :
	Ditromomethane	2	2	2 2	22	2 5	3 3
ALC 120 120 120 120 120 120 120 120 120 120	1.4—Dichlorobutane		22	22	222	22	3
11 12 12 12 12 12 12 12 12 12 12 12 12 1	Stlyd Mathecylate	1	211	22	20	22.0	3
De De De De De De De De De De De De De D	Trichicrofluoromethane	3	3	12.0	20	23	3
	Diction of the constitution	Į.	8 ·	⊃: *	2	a i	

Table B.-4. Data Frencatation: Site 1 - Fire Training Area - Soil Samples (1999) 122⁸⁴ Tactical Fighter Wing, Indians (Costinued)

SAIC ID Number	CALLED CO. 180	SAI - Mational Guard	CRI CAL MODE	Continued)	S1-14-14
Laboratory Sample Number	10952006	20902006	90023602RE	90023693	90023694
Associated Field QC Samples	FB-01,-02,-0	3 FB-01,-02-03	FB-01,-02,-03	FB-01-02-03	FB-01,02,03
Personal	78-67 78-63-63	79-8T -0-8T	18-67 FW-01-05	119-67 119-67-16	13-61 PW-M-M-W
SELLIVOLATILE ORGANIC COMPOUNDS		on the second			
Phenot	300	\$	≨:	200	3 : 8 :
2-Charaband	330 C	8 9	≨ ≨		
1,3-Dictionobenzene	2000	\$	Ź	386	360
1,4-DictMcrobentene Ag Renad Alcohol		\$ \$	≨≨) = = R S
1,2-Dichlorobenzene	1000 1000 1000 1000 1000 1000 1000 100	\$	≨	386	; ⊃ §
2-Methylphenol	200	\$ 1	≨:	⊃: 8 :	⊃: 8 ;
64.2-Calcadacycopy paner 4-Methylphenol 44		\$	≨ ≨		⊃ ⊃ R R
N-Nitroso-di-N-propylamine	200	\$	≨:	200	2: 8:
Nitrobensene		\$	€ ≨		⊃ ⊃ 8 9
Jeophorone M	380	\$	ž	390	2 2 2
2-Nitrophenol		\$ \$	\$ \$	⊃: 8 }	⊃ : 9
Senaole Acid		\$ £	€ ≨	200	
bia(2-Chloroethony) methane	330	\$	\$:	D 086	⊃: \$:
1.2.4Trichlombensene		\$ 9	≨ ≨		
		8	≨:	D 986	9
4Calcromitte		₹ ₹	≨ ≨		
4-Chloro-3-methylphenol		\$	€\$		200
2-Methylnaphtbalene		\$1	≨;	⊃: 8	⊃: 2 ,1
2.4.6-Trichlorophenol		*	€ ≨		
2.4.5-Trichlorophenol		95	¥ :	98	D 985
2-Citoronephibatene		8 §	\$ \$, E	
Dimethyl Phibalate		*	ź	28	200
Acmeditiviene		\$1	ž	⊃: £ [3: 8:
A - Under Gueroe		* §	≨ ≨	2000	2 8 8 C
Acenapithene		4	\$	290 €	360 [
2,4 - Dinkrophenol A. Nitrophenol A.			\$ \$		
Dibenaoturan		9	Ź	386	360
2.4 - Diritrotoluene		\$ 1	£ 2	⊃; 8,	2 8 8
or ophersyl phenyl Ether		\$	≨ ≨	288	2 2
_		¥ !	≨:	⊃: 9£	D 25
4 - retrogramme 4 - Dinitro - 2 - mathetaband 44		965	≨ ≨		
		\$	≨:	2000	200
4 - Bromophenyi pbenyi Ether pg		₹ ₹	≨ ≨		
Persettorophenol		96.	≨.	O 0061	J 656
Phonenthrone		₹ ₹	≨ ≨	9 5	8 1
4-N-Buyhtthelate		‡	≨	28	. ⊃
Plocrathene		\$ 1	\$	\$ 5	25
Butthenned Pitchelate		₹ ¶	≨ ≴		=
. . .		8	ž	9	5
Benzo(a)enttrucene		₹ ₹	≨ ≨	9 9	23
bie(2-Bubythenge ptatustate		4	≨:	D 066	2
di – N – Octyt Palmatete Ag Benea(b)flucranthene		• • • • • • • • • • • • • • • • • • •	\$ \$		⊃ 8 8
Bensoft Mooranthene		\$ 1	\$:	8	33
Indenc(1,23 -c,4)pyrene		II	₹	8	X 3
Diberzo(a,b)antirracene	380	‡ 1	\$ \$	<u>.</u>	> - 3 5
			Ē	!	

	9
_	8
x	.5
2	7
-	7
$\mathbf{}$	٠,
	٠
2	-
•	-
	-
=	-3
65	3
≕	
*	_
2	4
٠.	-
	2
-	~
2	•
Ç	
⋖	
-	-
7	-
•∃	-
.3	9
7	
2	С
	ä
ø	9
.≅	7
2	.2
	*
	-
-	-
43	_
.≥	•
ž	<
ž	4
Š	4
Š	A sad
	A sasiba
ation: Si	A sasibal
itation: Sit	A sadibal
ratation: Sit	A sadibal a
scatation: Sit	A endiber And
escutation: Sit	Vine, Indiana A
Presentation: Sit	Wine, Indiana
Presentation: Sit	r Wine, Indiana A
n Presentation: Sit	A wine lediens A
ata Presentation: Sit	hter Wine, Indiana A
Date Presentation: Sit	ehter Wine, Indiana A
Data Presentation: Sit	Richter Wine, Indiana A
8. Data Presentation: Site	Pichter Wine, Indiana A
-4. Data Presentation: Site	al Pichter Wine, Indiana A
4. Data Presentation: Sit	cal Pichter Wine, Indiana A
B-4. Data Presentation: Site	tical Pichter Wine, Indiana A
t B-4. Data Presentation: Site	etical Piehter Wine, Indiana A
de B-4. Dats Presentation: Sit	Pactical Piehter Wine, Indiana A
ble B-4. Data Presentation: Sit	Tactical Pichter Wine, Indiana A
[able B−4. Dats Presentation: Site	⁴ Tactical Piehter Wine, Indiana A
Table B-4. Data Presentation: Site	204 Tactical Pichter Wine. Indiana A
Table B-4. Data Presentation: Site 1 - Pire Training Area - Soil Samples (1990)	22 ³⁰⁴ Tactical Piehter Wine. Indiana A
Table B-4. Data Presentation: Site	122 ⁰⁴ Tactical Piehter Wine, Indiana A
Table B-4. Data Presentation: Site	1220d Tactical Pichter Wine, Indiana Air National Guard. Ft. Waves, Indiana (Continued

10			10-10-10-				
Complete Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 Pa-64, -67-65 P	Laboratory Sample Number		90023601	98023682	90823602RE	90023403	20023661
### SWACKNIC CONFIDENCY Units SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC CONFIDENCY SWACKNIC C	Associated Field QC Samples		FB-01,-02,-63	FB-01,-02,-03	FB-01,-02,-63		PB-01,-02-03
### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CANANIC COMMONINGS ### CA	•		S -81	TB-67	79-61		TB-67
### CALANCY COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE COLLEGE CO	Parameter	Cats	EW-03,-05	EW-63-65-96			EW-03-05
### displaying a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction with a subtraction wit	SEMINOLATILE ORGANIC CON	POUND					
### ### ### ### ### ### ### ### ### ##	(Continued)	•			:		
and formers and the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the c	N - Marcocompeting	3			≨ :		
Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Cont	2 - Frequence	Ţ.			≨ ≨		
Column	menty werthersellioner				€ ≨		
A	Aniline				£ \$		
Application	Acetoshenone	1	1 5 5 5		§≱		
Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column C	N-Nitroenologidae				. ≨	9	
Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column C	Dimethylohemethylomine	1	1991	U 4041		98	2
Head of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control	26-Dichlomehend		199	1 400	. ₹	188	
Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Sect	N-Neroso-di-N-hardenine		199		Ź		9
The control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	1.2.4.5 - Tetrachiorobenzene	ğ	76001	⊃ 8 6.	≨	200	3
	1-Chloronaulthalene	ş	200	U 6061	≨	1 9861	
Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column C	Pertachicrobensene		1991	19001			9
100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	-Namhthytamine		29,	2 664	≨		200
100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	2-Nantehalamine	į		1 984	ž	2	
100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	1.2-Dicherottechasine			U 4041	. ≨		
### #### #############################	Menandin		1,400		Ź	9	
COR 10 10 10 10 10 10 10 1	1. Aminchisherad		1		. ₹		•
Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Cont	Paragraph 1				:	•	
	Description of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of t				!		
Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Cont					E a		
					Ě		
					!		
	THE Trans.		2	2 V	§ ≱	2	
LORING PRSTACIDES, TCS. Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) Lindana) L		ľ	•	•	•	:	i
	ORGANOCHLORING PRSTICID	SPCB	;	;	;	;	
	Ipta - BHC	Š	≨:	≨:	≨:	≨:	≨:
	Man - BHC	Ĭ	≨	ź	≨:	≨:	≨.
	pamma — BFIC (Lindane)	Ş	≨:	ž	≨:	≨:	≨:
	Zetta BHC	ž	≨	≨	\$	≨	≨
	Heptachics	Ş	≨:	≨:	≨:	≨:	Ž
	Norte	Ž	≨:	≨:	≨:	≨:	≨ i
	Heptachior Eponide	Ş	≨:	ž	≨:	≨:	£
	Indosulfan-	Ş	≨	¥.	£	≨:	≨
	Dieldrin	Š	≨	ž	£	≨	≨
	-DDE	Ş	≨	ž	Ź	≨	≨
	Sodrin	Ş	≨	ş	≨	≨	≨
	Endosvifan—II	Ş	≨	ž	≨	Ź	≨
	(1- -DDD	Ž	≨	Ş	≨	≨	≨
	Sodrin Aldebyde	ş	Ź	≨	Ź	≨	≨
	Endosuttan Sulfate	Ş	≨	≨	≨	≨	≨.
	(f-DDT	į	≨	ş	≨	≨	≨
	Methonychlor	Ş	≨	ž	≨	Ź	≨
	Chlordane	Ş	≨	≨	≨	≨	Ź
	Foraphene	Ž	£	ş	≨	≨	≨
	Araclar - 1016	7	≨	ş	Ş	≨	≨
	Araclar - 1221	Ş	Ź	ž	≨	≨	Ş
	Aroclor - 1232	Ę	≨	ž	≨	ş	ş
	Arroclar - 1242	Ş	≨	¥	Ź	≨	Ź
	Aroclar 1248	Į	≨	¥	≨	≨	ž
YZ YZ	Araclar - 1254	1	ž	ž	Ş	ž	ž
	Arcelor 1240			:			

internal standard outside control limits
 estimated value

- compound/element was also detected in the associated laboratory method blank

NA - not analyzed

NEX. — sample surveyers recovery outside control lients.

TB — compound/element was also detected in the sesociated trip.

_	. }
폿	
Ξ	. !
ĭ	
ž	. 2
-	4
Z	
z	g
7	E
ŧ	3
•	
ē	-
Q	2
ı	3
3	Ö
ž	3
	8
٠.	.5
٠.	Z
Ë	-3
9	
£	3
i	4
-	믜
3	4
7	ē
ÿ	-
ž	3
皂	ð
Ī	E
٤	밁
=	ě
콯	,8
Ω,	5
Table B -5 . Data Prescutation: Site $1-{ m Fire}$ Training Area $-$ Groundwater Samples (199	1220d Tactical Highter Wing, Indiana Air National Cuard, Pt. Wayne, Indiana
Ţ	2
ĭ	
ž	- 1
3	- 1

SAIC ID Number	• 1	Pł 💮	MWI-02	P-6
Laboratory Sample Number		20152006	90025101	90025105
Associated Field U.C. Samples		FB-01,-02,-03	FB-01,-02,-03 TR-11	FB-01,-02,-03
Parameter	Units	EW-07,-08,-09	EW-07,-08,-09	EW-06,-09
Total Petroleum Hydrocarbons	y\$u	01	0.1	10
METALS				
Antimony	18	1.00 U	1.00 U	D001
Arsene	1	5.80 3(8)	5.40 J(B)	2.00 (
Cadmium	14	7.00 C		2007
Chromium	3	13,00 U		13.00 U
Copper	3	11.00 J(PB,B)		37.00 J(FB)
X	\$	4.80 J(FB,B)		6:80.(FB)
Nickel		14.00 J(MB.B)		12.00 U
Selenium	4	3.00 UW		3.00.0
20 Value	1	11.00 U		11.00 U
Zirz	11	15.003(FB,B)	\$1.00.J(PB)	24.00.J(PB)
VOL 4TH R OBGANIC COMPONINGS	MUSC			
Chloromethene	44	0.01	100	100
Bromomethane	4	200	100	201
Vinyl Chloride	Ę	200	25	200
Charactere Chicite	ž.	25) 0 1
Actions		2 2	2 9	0 6 1
Carbon Disulfide	4	20.5	9 0	ns S
1,1 - Dichlorochene	¥.		D :	2.
1,1 = Dichlorosthene (rotal)		2 2	2 5	25
Chloreform	1		2	2 5
1,2 - Dichloroethane	į	30	30	3.0
2-Butanone	4) 91 1	
1,1,1 - irreptorochane Carbon Terachloride	1 4	2 2	200	200
Vinyl Acetate	Ę		200	200
Bromodichioromethane	Ž.	2:	n;	
1,4 = Denied opropaire els = 1,3 = Dichler coronere	1	25	25	25
Tribloroathene	1	2 2	2.2	22
Ditromochloromethane	Š			
1,1,2 - Incherochane Benzene	1 4	200	22	2 6
trans-1,3-Dichloropropens	됳		D.S	25
Broadorn 4 Males - 2 messes	Ž,	25	2 :	2 :
2-Heranose	14			2 2
Tetrachlorosthene	Ę	30	30	3.0
1,1,2,2—Tetrachioroghane Tolisco	Ž.	25	25	25
Chlorobenaene	1	2 2	2 2	2 2
Ethylbenzene	Ž.	2	2	S
Skyrene Total Yelenes	į	25	25	25
2-Chicroethyl Vinyl Ether	Ę	2 2	100	200
lodomethane	3) : 1	⊃: •:	201
Acrytochrile	1	2 2	\$	\$
Discommethane	Į.	D 2	200	D 91
1,4,5 - Instructoropane 1,4 - Dichlorobut ane	1			
Ethyl Methacrylate	Ę	2	2	100
Triblorofigueromethee	Ž			
TicTone	1	\$ ≨	R ≨	8 ≨

Assessed Black Or Community		90025102		501 52006 101 57006
Associated Field CC Samples		FB-01,-02,-03	FB-01,-02,-03	FB-01,-02,-03
Parameter Units		EW-07,-08,-09	EW-07,-05,-69	1 D = 12 EW ~ 06, – 09
SEMIVOLATE B ORGANIC C		11.01	•	100
rneno bis/2-Chlorostissbether		2 2	2 2	
2-Chlorophenol	1		200	0.01
1,3 - Dichlorobenzene	3	> °) 	25
Benzy Alcohol		2002	28.0	38.0
1,2-Dichlorobenzene	3	2.5	2	200
2-Methylphenol	4		2:	2
Mathematical American	į		2 5	2 5
N-Nitroso-d-N-propylamine	į	2 2	2	2 2
Hexachiorosthane	Ž	D 01	2	200
Nkrobenzene	TAN TO) e		9
laophorone 2 - Na contrary	Į.	25	2 5	2 5
2.4 - Dimetholoperol				
Benzolc Acid	į	200	200	2 3
bis(2-Chlorosbony)methans	Total Control	1 9 1	1 1 1 1 1 1 1 1 1 1	701
2,4-Dithlorophenol	F.	□ 01	2	7 €1
1,2,4-Trichlorobenzene	Ą		2	2
Nephthalene	Į,	⊃ : 2	2 2	2 2
4-Chdroeniine		O 5	2 5	R
A Character Control of the Character				
2-Mathapathihalan		=======================================	2	2 2
Hezachlorovelopentadiene		D 91	200	7.01
2,4,6-Trichlorophenol	į	2 61	200	30.0
2,4,5 - Trictslorophemol	Ĭ	2000	200	7 05
2-Chloronaphthalene	Į,	2:	D e	2:
Z-Miroaniine	Ž.	2 .	⊃ : 9, 9	2 :
Accept reports		2 5		
2.6 - Dintrotoluene	1			2
3-Ntroenitine	4	20 €	⊃ 9 \$	28
Acenaphthene	A P	1 0 C	2 €	26
2,4-Dinkrophenol	7	⊃: \$:	95	25
4-Ntrophenol	1		2 5	2 5
2.4-Distratelises		2 2		2 5
Dietalotebalas		2	200	2
4-Chicropengl-phenyl Ether	, in	2 2	0.82	28
Plucrene	Ž	191	2	2
4 - Na complime	Ž	⊃: \$:	9	95
A.o. Liverico - 2 - metropolemon	4	2 =	2 5	2 2
4-Bromoehenvi-ohenvi Ether		2 2	2	2 2
Hezeblorobenzene	4	2	2	2 2
Pentachlorophenol	Ž	28	26	28
Phonanthrene	Ę	2	2	2
Anthracene	7	2	2	2
GI-N-Bulypunheise	1			2 5
Perena		2		
Butylbenzylpitt balate	1) 1	2	2
3,3'-['lorobenzidine	1	25	2:	2
Benzo(a)ert firzzene	į	2		
biol 2 - Rhadhand bate halate	1		2	
di - N - Octyl Parisalene	1	201	2	200
Bengo(b)fluoranthene	Ž	200	2	250
Benzo(k) Muoranthene	Į.	2:	2:	2:
Denso (a) pyrene Industri 2 3 4 houses	į	2 5		
Diseased a blancharous		2 5		2 5
Barrelo h Dandan	ŀ			

Table B.—5. Data Presentation: Site I — Fire Training Area — Groundwater Samples (1990)

122nd Tactical Eghter Wing, Indiana Air National Guard, Pt. Wayne, Indiana (Continued)

SAIC ID Number

Laboratory Samples Number

Laboratory Samples Number

Pack 101 — 102 — 103 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104 — 104

Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Personal Per		TB-11	T-E	TB-12
Desemble			:	
	Units EW-07,-08,-09	\$ - 8	EW-07,-66,-09	EW-66-0
SEMIVOLATILE ORGANIC CO	MPOUNDS			
(Continued)				
N-Nitrosodia at bylemine	Med	20 0	⊃ 9 5	50 U
2-Profine	WAY.	2000	2	SOU
Methyl Methanesulfonge	Į.	2	200	2008
Ethyl Methanesulfonate	To The	200	30.0	200
Aniline	TOTAL CONTRACT OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF	200	N 95	200
Acetophenone	we/L	200	2002	Cos
N-Nitrosopiperidine	MAT	200	200	n es
Dimet bylphenet by lamine	W.	2000	D 05	2
2,6 - Dichlorophenol	7	20 €	⊃ 8 3	2
N-Nitroso-d-N-butylamine	Total Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the	2000	28	30 U
1,2,4,5 - Tetrachiorobensene	HDT.	⊃ \$	30 U	2
1-Chicronaphthalene	7	S	200	2
Pentachlorobenzene	7	28	200	2
1 - Naplit tyta mine	7/34	200	N 98	25
2 - Napit intamine	787	20 ℃	200	28
1,2 - Dipbenylbydrazine	784		⊃ es	200
Phenacetin	764	≥	20 CS	200
4 - Aminobiphenyl	704	2000	2003	200
Pronamide	7	20 ℃	000	28
Benzidine	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	200	28	200
9 - Dimet briaminosobensene	707	20 C	200	n es
7.12 - Dimethylbenzo(a)anthracene	Hel-	200	28	Seu
3 - Methylobolanthrene	7	200	0.08	260
TicTast	Med.	ž	VX	ž

B – the reported value is callmated because it is greater than the instrument Detection Link (IDL), but less than the Contract Required Detection Limit (CRDL).

Required Detection Limit (CRDL)

Required Detection Limit (CRDL)

1 — compoundatement was also detected in the associated field blank

MS — compoundatement was also detected in the associated laboratory method blank

NA — nor an analyzed on the supplies but was not detected

W — none-poundatement was included in analysis, but was not detected

W — nord—digention spike for Grapbite Furnice Atomic Absorption (GFAA) analysis is out of control limits (85—115%), while sample absorbance is less than 56% of the spike absorbance

=	
a: Site 1 - Fire Training Area - Soil Samples (1991)	122°d Tactical Pichter Wine, Indiana Air National Guard, Pt. Waves, Indiana
Š	Pel
Ī	
S TE	Š
Š	Ē
5	7
₹	
ij	
Fai	
ire	Ž
2	Ž
-	į
Š	Pel
ĕ	
Ħ	ě
250	li e
Ē	5
Š	ica
Table B-6. Data Presentation:	100
Ŗ	į
츻	12
Ë	

Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Com	SAIC ID Number		1-1		1		SB1-2-1	SB1-2-1DC	SB1-2-2
Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Colo	Laboratory Sample Number		13188, 13197	13189, 13196	13190, 13199	13289, 14222	13285, 14209	13285, 14209	13286, 14210
Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column C	Associated Field QC Samples		-1- -1-	FB4-1	784-1	FB1-1	FB1-1	E	FB1-1
Value Prince Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value Val	Parameter	I Jaife	TB11-1-91 FR4-1	TB11-1-91 FR4-1		= <		TB11-3-91	
Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marcochanner Marc	Total Petroleum Hydrocarbons	mg/kg	300	30 U	0	30 0		NA.	
### 10 10 10 10 10 10 10 1	INORGANICS								
### 1979 1979 1979 1979 1979 1979 1979 1	Antimony	mg/kg	3.1 UJ(N)	3.4 UJ(N)	3.2 UX(N)	3.3 UJ(N)	3.3 UJ(N)	Ź	3.3 UJ(N)
Control	Arsenic	mg/kg	9.5	8.6	8.6	()	9.7		X :
15 15 15 15 15 15 15 15	Berydlum Cod-Line	BEAR	0.33 J(B)	U.6 J(B)	0.30 J(B)	0.44 J(B)			0.73 J(B)
The contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contract contra	Chromium		8.5	0.74 J(MD,D) 18.6	0.03 CA(MB,B)	0.33 (MB,B) 17.3			22.0
Marcoline	Copper	mg/kg	22.4 J(N,*)	27.4 J(N,*)	39 J(N,*)	23.6		Ź	18.8 J.N.
mg/45 0.11 0.12 0.14 0.12 0.14 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 <t< td=""><td>Lead</td><th>mg/kg</th><td>15.7</td><td>13.6</td><td>16.2</td><td>11.4</td><td></td><td>£</td><td>16.2</td></t<>	Lead	mg/kg	15.7	13.6	16.2	11.4		£	16.2
### 2007 10 10 10 10 10 10 10 10 10 10 10 10 10	Mercury	mg/kg	0.11 U	0.12 U	0.1 U	0.1 U		ž	0.12 U
### CONTRACTOR (CONTRACTOR CONTRACTOR ckel	mg/kg	20.2		39.8	682		≨:	21.6	
### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999) ### 12 OF CALANTCS (SOW 3999)	Seknium	mere	0.28 J(MB,B)		0.23 UW	0.24 CJ(N)		≨:	0.24 U
### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CRECAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (SOFF 3799) ### CREAMPLES (Janet Tarellini	E CAN	62 C	0.48 0.48 0.48 0.48	1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40	0.45 0		≨ ;	0.47 U
6 (2000) 5 (2000) 300 331 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 330 <	Zinc		59.3	83.5	80.4	639		§ £	(a) e
	WANTH ROBORNIC SON	200)							
1	Chloromethane		12 U		1317	. 12 U	12 U	ž	U 21
	Bromomethane	TEAS	12 U	D 09	13 U	12 U	12 U	≨	12 U
	Vinyl Chloride	HEARS.	12 C	⊃: \$	13 C	12 C	12 U	ž	D 21
	Chlgroethane	HE/KB) 121 121	3:	13 U	0 21 ()	12 C	≨:) 13 13
	Methylene Chidride	FEAT S	2 5	⊃ = 8 \$	2 5	2:	2:	≨ ₹	
	Carbon Disulfide	e year	2.9	3 8	0.9	. 0.9	0.71	₹ ₹	
	1,1-Dichloroethene	E VE	0.9	28	23	209	29	. ≨	9
	1,1 - Dichloroethane	HE/KB	9	38	Ω9	0,9	0.9	£	29
	1,2-Dichloroethene (Total)	re/kg); (C)	2:); (0,); () (≨:	19
	Chiggiorn 12-Dicklessethere	reve		2 8 8	2 2			Ž 3	
10 10 10 10 10 10 10 10	2-Butanone	e Are	12.0	3	13.0	12.0	ב ב ב	₹ ≵	2 2
1964 600 800 600 600 600 600 600 600 600 600	1,1,1-Trichloroethane	FAR	29	28	<u>0</u> 9	29	19	ž	9
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Carbon Tetrachloride	reks	29	⊃: 8:) 9	29))	£	n 9
10 10 10 10 10 10 10 10	Bromodichioromethane	HE'KB	9	2 2	2;	2:	9;	≨ :);
10 10 10 10 10 10 10 10	1,2 - Lacrico oproparie cis - 1,3 - Dichloromorene		 	2 2	2 4		2	4 2	
tethane	Trichloroethene	HEVE S) 9	2 8	209	29	2	£ 2	
10	Dibromochkromethane	Febr	Ω9	30	0.9	29	29	ž	29
	1,1,2-Trichloroethane	HEAR), (C)	⊃ œ :); () (C) (Ž) (
10	Benzene 	1678		30	3	2;	9;	≨ ż) ;
Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pent	Romoform		9 9	3 8	2 5	9 %	-	₹ ₹	9 4
12 12 13 14 15 15 15 15 15 15 15	4-Methyl-2-pentanone	HE/KR	021	3) EI	12 U	12 U	ź) CI
NA NA NA NA NA NA NA NA	2-Hexanone	FAS	12 U	O 09	13 U	12 U	12 U	ž	12 U
	Tetrachloroethene	HC/KB); (2:); (C)) (C)) (Ž:	0.9
	1,1,2,2— l'etrachicroethane Tohiere	HEAR S	2	2 5		2	9	žź	0.5
9 VN	Chlorobenzene	S V S		3	2		2	£ 2	
19 10 10 10 10 10 10 10 10 10 10 10 10 10	Ethylbenzene	Į.	2.9	2 2	2.9	2.9	2.9	Ź	3
no no no no no no system	Styrene	ZY.	19	28	0.9	D9	20	Ź) 9
	Xylene(Total)	SA/SH	19	⊃ 8	0.9	9	20	ž	η,

=	
2	
2	
-	
_	
2	
il Sample	
*	
Ä	
.5	
湮	
,3	
٠,	
- 1	
•	
õ	
7	
•	
-	
- 🐺	
-	
-2	
2	
٠	
Ľ	
:=	
1	
1	
1	
: 1 - Fire Training Area -	
ie 1 -	
Site 1 -	
Site 1 -	
n: Site 1	
on: Site 1 -	
tion: Site 1 -	
lation: Site 1 -	
atation: Site 1	
entation: Site 1	
escatation: Site 1	
resentation: Site 1	
Presentation: Site 1	
a Presentation: Site 1 -	
a Presentation: Site	
a Presentation: Site	
a Presentation: Site	
a Presentation: Site	
a Presentation: Site	
a Presentation: Site	
a Presentation: Site	
a Presentation: Site	
a Presentation: Site	
a Presentation: Site	
a Presentation: Site	
a Presentation: Site	

CAICID MILE		IZZ" Tactica	cal Fighter Wing,	Indiana Air Natio	ional Guard, Ft. Wayne	L'Indiana (Continue	(p)	, v 100
Specification Comple Number		12188 12107	30121 08121	11100 11100	(-1-196	00CF1 \$8CE1	7711 - 7 - 10C	7-7-10C
Associated Field OC Samples		FB4-1	FB4-1	FB4-1	FR1-1	FR1-1	FRI-1	PR1-1
		TB11-1-01	TR11-1-01	TR11-1-91	TR11-3-91	TB11-3-91	TR11-3-01	TR11-1-01
Parameter	Saits Caits	EB4-1	EB4-1	EB4-1	EB1-1, 1A-1, 4-1	EB1-1, 1A-1, 4-1	EB1-1, 1A-1, 4-1	EB1-1, 1A-1, 4-1
STALINOLATILE ORGANICS (SOW 1990)	(045 A)							
Phenol	HE/KB	99	380 C	420 N	7 00 4	ž	1900 U	⊃ 0 0
bis(2-Chloroethyt)ether	HE/KB	9	0.06	120 0	000	Ž	1900 U	000
2-Chicrophenol	HE/KB	\$ \$		120 0	0.00	Ž :	0.0061	000
1,3 - Dichloropenzene	1678) = 	2 8			\$	0.0067);
1.7 - Dichlorchenzene		8 6		727	3	£ 2	1900 I	
2-Methelphenol		3	2 S	2007	200	Šž	1 met	3
2.2.—cachis(1—Chloromonane)	2 mg	3	2 SE	2007	3	£ 2	1 0001	
4-Methylphenol		\$	8.5	2007	1007	Ž	11 0001	3
N-Nitroto-di-N-propybilline	e a	\$	3000	200	2 6 7	₹ ≵	D 0061	9
Hemchkroethane	ALC ALC	200	D 066	100 P	D 994	ź	1900 U	0.00
Nitrobenzene	ARA PER	⊃ 00 7	390 €	O 02+	D 007	ž	U 0001	D 004
Isopharone	He Age	\$	06€	∩ 02 *	D 007	ž	1900 U	J 004
2 - Nitrophenol	Fe/s	\$	200€	∩ 02 7	1 00 1	ž	1900 U	D 90₹
2,4-Dimethylphenol	He/kg	8	380 C	D 027	⊃ 00 7	Ź	1900 U	∩ 00 0
bis(2-Chloroethoxy)methane	188		366 366	O 02+	D 904	Ź	1900 U	100
2,4 - Dichlorophenol	TE AR	\$	2066	0.00	D 007	ž	1900 U	D 007
1,2,4—Trichlorobenzene	EVE	₽ :	200	0 629		ž	0.0061	
Naphthalene	1	₽ :		2	2	ž	0.9061	\$:
4-Chloroanishe	3	⊋;	⊃: R R	2 3 3	9	ž	0.0061	⊃:
A Chief 2 material		3 8		2 4		\$?	386)
Lineapho combone free					98	\$ 2 2		3
2.4.6—Trichlocorhenol			2 5	2 64	3	₹ 2		3 \$
2-Methytraphilialene		9	3000	7.02	\$ \$	ź	19061	29
2,4,5-Trichlocrophenol	Je k	1900	1900 U	2000 C	2000 U	Ž	0300 U	D 000Z
2-Chloronaphthalene	Ş	\$	300 C	∩ 07 +	O 00+	≨	1900€1	∩ 00 *
2-Nitrogniline	HE/KB	1900	1900 C	2000 C	2000 U	£	0006	2000 C
Comethyl philable	EXE.	Ş	⊃: 86:	1 0 C	D 000	≨:	200	⊃ : 00‡
Accrapminated			2 5	25	200	\$:	0.000	3
2- Varcenijae		_	2 6 5	0.000	11000	£ 2	11 00%	
Acenaphthene	me/ke	1007	3000	420 17	1004	ź	7 0061	1007
2.4 - Dinitrophenol	HE/RE	1900	D 0061	2000 C	2000 C	Ž	0.000	2000 U
4 - Nitrophenol	He/kg	1900	D 0061	2000 C	2000 U	Ź	O 0006	0002
Dibenzofuran	HE/KB	\$	300 €	⊃ 02 +	D 004	ş	D 0061	D 00#
2,4 - Dinitrotohene	ABARB.	\$ {	⊃ : 88	250	D :	≨:	2001	2 2 3 3 3 3
Lycinyi prinziate 4 – Chlosophemi shemi athe	4 4 5 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5		2 5	284	3	4 2	2 600	
Fluorene	46/kg	9	2 S	707	2 6	£ 2	2005	9
4-Nitroeniline	He/E	19001	20061	2000 C	2000 C	Ź	O 0066	D 000Z
4,6-Dinitro-2-methylphenol	FEAS	1900	D 0061	2000 U	2000 C	¥	0.00%	C 000Z
N-Nitrosodiphenylamine (1)	HE/KB	\$	300€	70 C	O 004	¥	1900 U	∩ 00 +
4-Bromophenyi phenyi ether	HE/KB	\$;	⊃: 86:	100	200	≨ ∶	D 0061	⊃ : 80 1
Herachic obenzene	Me Ma	\$	2 8 8	2 62	2007	≨ :	0.0061	200
renachiorophenol	5	_	38	0.0002	0.0002	\$:	O BOSS	
recommence Anthropine	MEN B	8 8	266			\$ \$		3 5
Carbazole	He Ag	\$	386	28	200	€ ≨	0.0061	
di-N-Butyl phthalate	S S	9	330.0	D 024	D 007	ž	D 0061	□ 00
Fluoranthene	16/8		390 U	450 C	O 00+	ž	13000 D	O 00#

	7
Ξ	catinaced
2	i
oil Samples (1991)	. Indiana (Co
Ē	3
Sampl	ia dis
=	ä
ŵ	Wayne.
	Š
ž	٠.
Training A	ard, Pt.
Ę	2
Ë	ō
2	1
-	ž
÷	Ž
Ë	3
:	Wine, Indiana Air National Guard, I
ŝ	Ē
=	7
Š	į
6. Data Presentation: Site 1 - Fire Training	
i	hie
Α,	Į.
B-6	etical Pichter Wine, Indiana
e E	į
Z	Tacti
H	2
	=

	77	i					
12 17 17 17 17 17 17 17 17 17 17 17 17 17	CD1-1-1	ě	SR1-1-1	SB1-1-7	SB1-2-1		SB1-2-2
	TLTLTON						
Laboratory Sample Normier	13188, 13197		13190, 13199	13289, 14222	13285, 14209		13286, 14210
	1 700		FP4-1	1-1H2	FB1-1		191-1
			5				
	TB11-1-91		TB11-1-91	TB11-3-91	TB11-3-91		1811-3-61
Parameter Units		EB4-1 EB4-1	EB4-1	EB1-1, 1A-1, 4-1	EBI-1, 1A-1, 4-1	EB1-1, 1A-1, 4-1	BBI-1, 1A-1, 4-1
SEAUVOLATILE ORGANICS (SOW 3%)							
(Continued)							
, mark		11 000	1201	2007	₹ Z	₩ 000 P	⊃ 8
		11000	11 007	7 007	ž	20061	1 00 1
Dany Demokratic	_	2				11 0001	
3.3'- Dichlorobenzidine		200	284		٤		3
•		11 086	420 C	⊃ 9	≨	4400 D	284
		1 68	42011	(1007	7	4300 D	⊃ 8
Carpene		2		199	2		=======================================
bis (2-Ethylheryl) obtibals te a.c.				3	5		
thelate		71 066	⊃ 93÷	⊃ 00	Ş	2001	9
		1.66	42011	7 004	ž	Q 9069	⊇8
		1 68	11007	11 007	Ž	1900 U	200
Benzo girkoranurene			1 50	2	Ž	3600 13	200
Denza(a)pyrene		2		:	2	11 0001	11 000
Indeno/1.23-cd)mmene				3	٤	O RKT	3
of a banthancene		11 00%	420 U	2	Ş	1984 1984	200
			11.067	11 007	NA.	19091	29
h,i)perylene		2000	3 4	\$ 1000 P	: 2	() was::	2000
TIC Total	12960 (18)	12980 (20)	6)	(0T) 0C00	٤	1100011	TIT DON

HEARG 12590 (18)

1770 10001

B - the reported value is estinated because it is greater than the Instrument Detection Limis (IDL), but less than the Contract Required Detection Limis (CRDL)

B - the reported value is an analyzed at a secondary dilution factor after exceeding the calibration range of the instrument on the first analyzed

J - estimated value

MB - compoundelement was also detected in the associated laboratory method blank

N - spliked sample recovery outside of control limits

NA - not analyzed

NA - not analyzed

W - post-digestion spike for Graphite Furnace Atomic Absorption (GFAA) analyzis is out of control limits (85-115%), while sample absorbance is less than 50% of the splike absorbance

- dupticate ample analyzis outside of control limits

Table B-6. Data Presentation: Site 1 - Fire Training Area - Soil Samples (1991)

SAIC ID Number		CB1-2-3	CRI-3-4	SB1-2-50	CB1-7-7 CB1-7-1 CB1-7-1	CB1-1-1	CB1-3-3	CB1-1-1	CD1 - 1 - 2D
Photograph Number		11671 18621	63L71		1-7-10C	1250 1476	7-5-195	14761 14771	14363 14373
Associated Pield Of Sumples		PR1-1	FB2-1	1400	FB11	FR1-1	FB1-1	14201, 14271 PR1 - 1	11767, 11212
		TR11-1-01	1-70.1 10-79-110TF	1-701 TE11-4-01	1211-1-112T	TR-11-06-01	1-10-1 10-30-11-6T	1-197 10-20-11-87	1-101 1-101 1-101
Parameter	Caits	EB1-1, 1A-1, 4-1	EB2-1	EB2-1	EB1-1, 1A-1, 4-1	EB1-1, 1A-1	EB1-1, 1A-1	EB1-1.1A-1	EBI-1.14-1
Total Petroleum Hydrocarbons		0.08	٧X	Y.	0 0S	0.0%	200	0.0%	0.0%
INDROAMECS									
Antimore	mg/kg	3.6 UJ(N)		3.3 UKN	3.4 UJ(N)	3.3 UKN	3.2 UKN	3.3 CKN	3.4 XB.N
Arsenic	meks	8.2	7.8 R(N)	6.7 R(N)	6.7	6.3 3(*)	9.7 3(*)	3.9 J(*)	5.7.1(*)
Beryllium	mg/kg	0.76 J(B)	0.42 J(B)	0.46 J(B)	0.5 J(B)	•			0.47 J(B)
Cadmium	E C	5.26	0.45 J(B)	0.73 J(B)	0.53 J(MB,B)				0.53 J(MB,B)
CHORNE		282		173	17.3		# Y 0 0	14.0	15.4
		29.5 J(N,°)	282	5 £	29.1 J(N,°) 9.7	2.23	19.0	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	17 S
Memire		2 5	0.1174477	011111111				13 11 6	
Nickel		2 Z	29.3	30.6	33.3	28.1	25.0	362	3.15
Selenium	me/kg	0.25 UW	0230	0.22 U	0.24 U	0.59 J(MB,N,B)			0.23 UJIN
Silver	T/Su	0.51 U	0.46 U		0.48 U	0.48 U			D 99'0
Thellium	A A	0.4 J(B)	0.26 J(MB,B)	0.22 U	0.37 J(B)	0.3 J(MB,B)	0.26 J(MB,B)		0.49 J(MB,B)
2007			711	1.10	8.66	Ç.			
VOLATILE ORGANICS (SOW 399)		;		;		;	;		
Chlcromethane	\$	⊃: :	ວ:	⊃ :	22 :	⊃ : S :	⊃;	⊃ :	2 :
Bromomenane	7.) 13	3 8	2 :	0.51	3); ;); ;	ž
Very Chicago			3 8	3 8	2 2	B &) : 	⊃ = ĕ •	≨ 2
Methylene Chlyride		2.9	3 %	3 3	19	67 LYFE	% LYFE		\$ 2
Acetone	À	13 U	28	D 29	12.0	120 U(EB)	160	222	≨
Carbon Disulfide	F. A.	09	31 U	31 U	0.9	`∩ 0€	300	28	ž
1,1-Dichloroethene	FEVE F))	ລ: ສ:) E	7.9	2	200	2: 8:	Ź
1,1 - Denioroethane	FOXE	2;) : E :	⊃ : E :	2 :	2 5	つ: R 4	2:	≨ ;
Chloroform) = 7) = 		2 E	2 E	7 5	₹ 2
1.2-Dichloroethane		2	3 2	2 2	2	2 2	2 2	2 2	\$ *
2-Butanone	3	១១	200	28	D 21	9) T9) T9	ź
1,1,1-Trichloroethane	reks 1	n,	3 0	310	D ;	⊃: 8:	23	2 8	ž
Carbon Tetrachionide	FERE	2	⊃ : E :	⊃ :		⊃ = R	2 8	2:	≨ ;
2 - Dichlocomonae		9 4	2 2	- = = = = = = = = = = = = = = = = = = =	9 49	2 S	2 S)	£ 2
cis-1,3-Dichloropropene	1	29	3 5	3 18))	2 8	2 2	2 2	₹ ≨
Trichloroethene	A SA	n9	31.0	31.0	29	∩ 6 6	30 C	200	ž
Dibromochler omethane	¥.))); E	ລ:);	ລ: ຂໍ	⊃:	⊃: 8:	≨:
1,1,2 Iricaloroethane) i	⊃ ::	2 4	⊋ :	2 2	⊃ =	≨ ≩
trans-1,3-Dichkropropene		9	3 2	3 8	9	2 2 2	2 8	2 2	€ ≨
Bromoform	15 kg	29	31 C	31 U	09	D 0€	30 C	300	ž
4-Methyl-2-pentanone	Ž.	D 55	S DICES	62 UI(IS)	12.0	⊃: 9 :); (4)) i	≨:
2-Heranone	FERE	130	(SI)(I 29	SE COLOR	0 21	⊃ = 8 8) ;	⊃ 5	≨ ∶
1.1.2.2—Tetrachicroethane		9 %	31 UKIS		9	2 S	o ⊃) R 8	\$ \$
Tolbene	Ž	0.9	31 UNIS	140 UKIS	29	3	2	3	€ ≨
Chlorobenzene	Ž.	D ;	31 UKIS)	31 (1)(1)) (⊃: 8:	25	28	ž
Eurypensen	¥	2 5	SI CI(S)		2 5	2 S	⊃ = R)	Y 2
Xyene (Total)	1	9	31 (15)	31 UKIS)) • •	o ⊃ R	2 2	o ⊃ R	≨ ≵
TIC Total	Ž	600	(0)0	6)0	6)0	(6) 0	6)0	6)	ź

Table B-6. Data Presentation: Site 1 - Fire Training Area - Soil Samples (1991)

Laboratory Sample Number 1325, 14211 Associated Field QC Samples 1811–3–91 Fight VOLATILE CRECAINCS (SOW 379) Fiftend bid: Chlorochryllethor 1947 1.3 - Dichlorocheraene 1947 1.3 - Dichlorocheraene 1947 1.4 - Dichlorocheraene 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlorochrylethod 1947 1.5 - Chlor	14332 FB2 - 1 TB11 - 6 - 91 EB2 - 1 EB2 - 1 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR)		13286, 14212 FBB-1 FBB-1 TB11-3-1 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 380 U 38	14259, 14269 178-11-05-91 181-1-05-91 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U	14260, 14270 1811-11-65-91 1811-11-65-91 1811-1, 1A-1 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U	14261, 14271 TB-11-6-91 FB1-1, 1A-91 FB1-1, 1932, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427, 1427,	
1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3 1311-3	FB2 - 1 TB11 - 6 - 91 EB2 - 1 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR) 60 R(SSR)	REGELO DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA COMPANION DE LA C	TB11-3-91 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U				1747 88888888888888888888888888888888888
1811-3 Units EBI-1, IA- 1975 (3004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374) 1975 (4004 374	### 1	REED STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STRE	7811-3-91 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U 390 U				
(3) (30) Units (881-1,1A-1,1A-1,1A-1,1A-1,1A-1,1A-1,1A-1	### 1	REHOLD SEED SEED SEED SEED SEED SEED SEED SE	81-1,1A-1,4-1 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300 U 300				(T 888888888888888888888888888888888888
		REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REEHOUSE REE		99000000000000000000	999999999999999	888888888888888888888888888888888888888	1 8888888888888888888888888888888888888
		410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD 410 KGHTD					
		40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT) 40 KGHT)					
		410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT) 410 RGHT)					; \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
		410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT)					; # \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
							\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
							\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
			1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				; -
							######################################
							\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
		410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT) 410 KGHT)					\$ \$ \$ \$ \$ \$ \$ \$
		10 AGET) 10 AGET) 10 AGET) 10 AGET) 10 AGET) 10 AGET) 10 AGET) 10 AGET) 10 AGET)					\$ \$ \$ \$ \$ \$ \$
		4.0 K(EHT) 4.0 K(EHT) 4.0 K(EHT) 4.0 K(EHT) 4.0 K(EHT) 4.0 K(EHT) 4.0 K(EHT) 4.0 K(EHT) 4.0 K(EHT) 4.0 K(EHT) 4.0 K(EHT) 4.0 K(EHT)					\$ \$ \$ \$ \$ \$ \$ \$
		410 KEHT) 410 KEHT) 410 KEHT) 410 KEHT) 410 KEHT) 410 KEHT) 410 KEHT) 410 KEHT)					8 8 8 8 8 8
		410 REHT) 410 REHT) 410 REHT) 410 REHT) 410 REHT) 410 REHT) 410 REHT)					\$ \$ \$ \$ \$
		410 R(EHT) 410 R(EHT) 410 R(EHT) 410 R(EHT) 410 R(EHT) 410 R(EHT)					\$\$\$\$ \$
		410 REHT) 410 REHT) 410 REHT) 410 REHT) 410 REHT)	798				1 2 2 2 3
ce of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of		410 K(BHT) 410 K(BHT) 410 K(EHT) 410 K(EHT) 410 K(EHT)					\$ \$ \$
with the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second		410 REHT) 410 REHT) 410 REHT) 410 REHT)	195				3 3
se sool seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seeks seek		410 REHT) 410 REHT) 410 REHT)				8 8	\$ \$
we will be a series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the ser		410 R(EHT) 410 R(EHT)					
		410 K(EHT)					}
Typication of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the		410 R(EHT)				200	\$
			380		18	O 007	\$
		410 R(EHT)	⊃ 9 €		5	□ 99	\$
		410 REHT	⊃ 9 8		20	J 994	4
		410 R(EHT)	⊃ 98 6		284	200₹	\$
		2000 R(EHT)	⊃ 806. 1		1900 U	D 9061	8
		410 R(EHT)	□ 09€		∩ 90 0	0.004	\$
		2000 R(EHT)	1900 U	1900 U	1900 U	D 0061	961
1111		410 R/EHT	200€		200	U 004	9
4454 4454 8454 8454		410 R/EHT	3000		1007	1007	9
2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		410 R/RHT	7) 055	200	26	207	•
2 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		2000 R/RHT	199	11 0001	11 0001		į
		410 R/FHT)	100	11 08%	- 91		\$
				11 0001	11 0001		
					3.		
			3 5			3	₹ \$
them after a second					3	3	3 1
					3	3	₽ :
nijire		AM P(EPI)				3	
- methylphenol							
		410 R/EHD	9	1 69.	•	2	8
a de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de l		A10 P(FILT)) = 3		•	=	•
e de		410 R/EHT)	9		*		3 \$
		AND ROBERT					3
a West		A10 R/EHD	3				3
no fre		A10 R/FHT)	9		1 962		} {
3		410 R/BHD		11000	192	200	3
of philiphie		CHE PUBLIC)				3
) = 1			3	•

Table B.-6. Data Presentation: Site 1 - Fire Training Area - Soil Samples (1991) 12784 Tastical Richard Wise Malian Air National Grand By Wasse Indiana (Continued

	İ		122" Tactical Fight	ter Wing, Indiana	. Air National Guard, Ft.	Ξ	(Continued)		
SAIC ID Number		SB1-2-3	SB1-2-5	SB1-2-5R	SB1-2-7		SB1-3-2	SB1-3-3	\$81-3-36
Laboratory Sample Number		13287, 14211	14352	14353	13288, 14212		14260, 14270	14261, 14271	14262, 14272
Associated Pield QC Samples		781-1	FB2-1	FB2-1	FB1-1		FB1-1	FB1-1	FB1-1
•		TB11-3-91	TB11-6-91	TB11-6-91	TB11-3-91	TB-11-05-91	TB-11-05-91	TB-11-05-91	TRIP BLK.
Parameter	5	EB1-1, 1A-1, 4-1	EB2-1	EB2-1	EB1-1, 1A-1, 4-1		E81-1, 1A-1	EB1-1, 1A-1	EB1-1.1A-1
SOUTHOLATTLE ORGANICS (SOW.	(06/5/1								
(Continued)	•								
Pyrene	Merks	2 83	400 RUSSR)			390 J	1700	J 004	U 044
Butybenzyphthelate	Ä	420 C	400 R(SSR)			390 U	000	J 004	0.004
3,3' - Dichlarobenzidine	A A	28	400 RUSSR			300 C	D 007	D 004	0.00
Benzo(a)anthracene	Ž	⊃ 83	400 R(SSR)	410 R(EHT)	380 C	390 U	740	D 00+	D 884
Chrysene	Ž	28	400 R(SSR)			390 U	730	O 00+	D 884
bis(2-Ethylbenyl)phthalate	1 A	⊃ 8 3	400 R(SSR)			390 U	100 1	U 004	D 994
di-N-Octyl phthalate	A A	⊃ 05¢	400 R(SSR)			300 C	100 1	U 004	D 994
Benzo(b)(horanthene	Ž	7 0CF	400 R(SSR)			390 J	1300	00	U 997
Benzo(k) fluoranthene	i k	O 024	400 R(SSR			390 U	100 C	D 00+	J 994
Benza(a)pyrene	He/Ke	D 02₹	400 R(SSR)			160 J	250	U 004	U 994
Indenc(1,2,3-cd)pyrene	HE/E	200	400 R(SSR)			390 U	10L	J 007	D 994
Dibenzo(a,h)anthracene	Je Ke	O 87				300 €	∩ 00	1 00 7	U 004
Benzo(g,h,i)perylene	Me/Kg	D 92				386	46 €	200+	U 994
TICTORI	A S	3990 (12	_	13978 (7)		4420 (8)	2450 (9)	7320 (19)	5910 (15)

TC Total

B - the reported who is estimated because it is greater than the Instrument Detection Limit (IDL), but less than the Contract Required Detection Limit(CRDL).

B - the reported who is estimated because it is greater than the Instrument Detection Limit (IDL), but less than the Contract Required Detection Limit(CRDL).

B - compoundelement was also detected in the associated field blank

TR - sample analysis holding time control limits

TR - compoundelement was also detected in the associated laboratory method blank

IS - instrum standard outside control limits

J - estimated who was also detected in the associated laboratory method blank

NA - not amalyzed

NA - not amalyzed

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected while

R - rejected w

### Proceedings Public EDI-1.1A-1.4-1 EDI-1.1A-1.4-1 EDI-1.1A-1.4-1 EDI-1.1A-1.4-1 EDI-1.1A-1.4-1 EDI-1.1A-1.4-1 EDI-1.1A-1.4-1 EDI-1.1A-1.4-1 EDI-1.1A-1.4-1 EDI-1.1A-1.4-1 EDI-1.1A-1.4-1 EDI-1.1A-1.4-1 EDI-1.1A-1.4-1 EDI-1.1A-1.4-1 EDI-1.1A-1.4-1 EDI-1.1A-1.4-1 EDI-1.1A-1.4-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.1A-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2-1 EDI-1.2	Parameter Total Petroleum Hydrocarbons		bber 13290, 14213 13291, 14214 nples FB1-1 FB1-1 FB1-1 TB11-3-91 TB11-3-91	13291, 14214 FB1 – 1 TB11 – 3 – 91	13292, 14215 FB1-1, 2-1 TB11-3-91	14348 FB2-1 TB11-6-91	13292, 14215 14346 13293, 14216 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349 14349	781-1-38 14349 14349 1-811-4-1	13294, 14217 FB1 – 1 TB11 – 3 – 01	13295, 14218 PB1-1 TR11-3-01
### 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12 U(N) 12					BB1-1, 1A-1,2-1,4-1 50 U	EB2-1, 4-1	EB1-1, 1A-1, 2-1 50 U	D	4-1 0-0	EB1-1, 1A-1, 4-1
### 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13 U.K% 13	INORGANICS									
### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CONTAINES GOVE AND ### CO	Antimony		3.2 UJ(N)	3.4 UJ(N)	3.2 U.X(N)	3.3 U.X(N)	3.2 UJ(N)		32 UJ(N)	32 UX(N)
The content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the	Beryllium		0.51 J(B)	0.61 J(B)	0.43 J(B)	0.6 J(B)			(g)x 99'0	
### Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Continues Co	Cadmium	3	1.2 X(MB)	2.9	0.85 J(MB,B)	0.23 U			0.44 J(MB,B)	6.74 X(MB,B)
### 13.5	Copper	7	17.1 J(N,*)	19.7 J(N,°)	24.2 J(N,*)	42,6			34.6 XN.*)	
Marca State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State Stat	Lead :	mg/g	33.9	31.3	=	11.4	=	10.6	21.6	
March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March Marc	Mercury	7	0.1 C	9.14	0.11 0.13 0.13 0.13 0.13 0.13 0.13 0.13	0.12 UX(HT)		•.11 UI(HT)	0.11.0 2.4.6	0.12 U
	Selezione		0.23 UW	0.24 U	0.96 XMB.B)	023 U		423 UW		6.45 XX60
WACS (SOW APP) 15 10 10 10 10 10 10 10	Silver	7	0.46 U	0.48 U	0.46 U	0.47 U		0.46 U		D 99'0
VACCE (SOUN 3.999)	The Buch	2	0.29 J(B) 62.5	0.27 X(B) 69.6	0.52 J(B) 71.6	0.23 U		0.24 X(MB,B) 70 *		631 J(B) 58.3
#### 610 620 600 620 610 620 600 620 610 620 610 620 610 620 610 620 620 620 620 620 620 620 620 620 62	ON ATHEOROGYNCE COM									
	Chloromethane	_		62 U	O 33	62 U		62 U		3
##### 610 620 620 620 620 620 620 620 620 620 62	Bromomethane	1		D 29	⊃ : •\$	0.59		0.50	D :	3
County Park County Park County Park County Park County Park County Park County Park County Park County Park County Park County Park County Park County Park County Park County Park County Park County Park County Park County Park County Park County Park County Park County Park County Park Park County Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park Park	Viny Change			⊃ :: 26	⊃ = 3	0.29) = 5	2.6	3 1	3 3
	Methylene Chloride		2 8	316	3 2	3,5	2 2		3	32 LYPE
(Total)	Acetome	Ş	200	0.29	0.03	28.7	n 19	3	3	21
(Total)	Carbos Disuffide	7	⊃: R \$	<u>د</u> د	2 5	⊃ :	2 5	۵: :	⊃: R :	28
County Fight 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U	1,1 - Dichicroethane		⊃ ⊃ ₹ \$	2 2	2 2	3 2 2	2 E		2 2	25
	1,2-Dichloroethene (Total)	Š	300	310	3000	310	30 0	3 25	2 2	32
######################################	Chloroform	3	⊃ = e =	ລະ ສະ	25	25	25	2:	25	25
#### 300 310 300 310 300 310 300 310 300 310 300 310 300 310 31	2-Buspone		o ⊃ ₹ '	2 2 2	2 2 3	2 2	2 2 2 3	2 20	? 3	3
Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market M	1,1,1-Trichloroethane	Š	30.0	310	30 00	310	200	310	2	32.0
Application of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	Carbon Tetrackloride Promodichteromethese	¥.	⊃ = ? ?	= = = = = = = = = = = = = = = = = = =	⊃ = = = = = = = = = = = = = = = = = = =	2 2 2	2 E	25	25	22.5
Marker 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U 31 U 30 U	1,2 - Dichloropropane	Š	300	3 6	2 2	310	30.00	3.5	2 2	22
Market 300 310 300 310 300 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 310 3	cis-1,3-Dichloropropene	18	2 8	310	2	31.0	D :	31.0	2	32.0
	Tricing to ensure the period of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the	5	3 5		3 5	2 2	⊃ = ? ?	2 2) = R S	320
Hight 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 31U 30U 30U 31U 30U 30U 30U 30U 30U 30U 30U 30U 30U 30	1,1,2-Trichloroethane	!	2 2	2 2 2	2 2 2	310	2 2	25.5	22	22.0
#### 300 310 300 310 300 310 310 310 310 310	Benzene	Š	⊃: &:	31.0	36.5	316	D:	3.5	⊃: 8:	32 0
2-pertainone jugita 610 620 600 620 610 620 610 620 620 620 620 620 620 620 620 620 62	rans-1,3-Lichoropene Bromofoem	¥.	⊃ = R	2 2 2	2 E	2 =	2 E		2 2	22.6
167 1177 1177 1177 1177 1177	4 - Methyl - 2 - pentanone		2 2	2 29	3	2.29	3 3	2 2	? 3	3 3
	2-Hexanone	18 kg	0 19	62 U	□ 99	62.0	0 19	62 U	D 93	23
	Tetrackloroethene	848 :	2 5	310	2 5		⊃ = R \$) E	⊃ = 8 \$	32 0
MATER 26 34 130 670 60 44	Toluene	į	25.5		8.8	019	3	; \$, 82	2 2
11 10 10 10 10 10 10 10 10 10 10 10 10 1	Chlorobenzene	Š	2	מנ	D :	310	2	31.0	2	32.0
20 310 340 310 340 310 340 310 340 310 340 310 310 310 310 310 310 310 310 310 31	Ethylbe rizene Stanone	1	2 2	אנה מיני	D = 5	E :	⊃ = S , S) i	2 2	2 2 2
The control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	Xyene(Total)		2 2	2 5	2 2	310	2 2	310	2 2	32.0
	TIC Total	Ž	000	(e) (e)	(e) •	(0) 0	(e) o	6)	(e) •	9

Laboratory Sample Number Associated Field QC Samples			# # # # # # # # # # # # # # # # # # #					
Associated Field QC Samples	13540, 14213	13291, 14214	13292, 14215	14348	13293, 14216	14349	13294, 14217	13295, 14218
	FB1-1	FB1-1	FB1-1, 2-1	F82-1	FB1-1, 2-1	PB2-1	781-1	761-1
			TB11-3-91	TB11-6-91	TB11-3-91	TB11-6-91	TB11-3-91	
Parameter Units	Units EB1-1, IA-1, 4-1	1 EBI-1, IA-1, 4-1	EBI-1, 1A-1, 2-1, 4-1	EB2-1,4-1	EBI-1, 1A-1, 2-1	ZBZ-1	EBI-1, IA-1, 4-1	EBI-1, IA-1, 4-1
SEMINOLATILE UNUANICS ((SCW SAN)		***	TH 1071 1011	967	Merchanist Ass.		
	_		•	(1113)CO OIL	8			
2 Characterial			2.5		3 8			
			2 2	1111 X 11 41 4 1 4 1 4 1 4 1 4 1 4 1 4 1	3 8			
1,7 - Drawer coerners			200 E(E/T)	110 VIV	3			
			200		3			
1,2 - Dichorobermene				410 UJ(BHT)	₿ \$	410 K(EHT)		
2 - Methylphenol	#8/Kg 400 U		SKE .	410 UXEHT		410 K(EHT)		100
2,2'-oxybis(1-Cbloropropane)	#8/4g		86	410 UXEHT	400 C	410 R(EHT)		
4Methylphenol			800	410 UXBHT	700 4	410 R(BHT)		□ 67
N-Mtroso-di - N-propylemine				410 UXBHT	400 C	410 R(EHT)		0 627
Hemethoroethane			380	410 U KRHT	7.00	410 R/EHT		1977
Nitrobergene			365	410 U WEHT	1007	410 B(RHT		1967
somborone			8	A10 II VEHT	\$	A10 B/RHT		1007
2-Missonhand			2	ATO IL VIDELL	\$	416 B/RHT		1967
			R 8		3	TIPON OIL		
Z.4 - Dimemyphenor				AND CARRIE	3	410 K(EHI)	_	
bis(2-Chloroetboxy)methane			200	410 UXEHT)	\$	410 R(EHT)		287
2,4-Dichlorophenol				410 UXBHT	\$	410 R(EHT)		D 927
1,2,4-Trichlorobergene			38	410 UXBHT	400 C	410 R(EHT)		287
Naobthalene			380	410 UXBHT	700 4	410 R(EHT		1 67,4
4-Chloroenline				410 UKEHT	400 C	410 R/BHT		7007
Herachlorobutadiene			96	410 UKEHT	400 C	410 R/EHT		420 [
4-Chloro-3-methylahenol			360	410 U.KEHT	2004	410 R/EHT		1201
Heracklorocyclopentadiene			86	410 UKEHT	100 4	410 R/EHT		197
2.4.6-Trichioembenol			9	A10 I JYRHT	11007	410 R(F)-T		42011
2-Merhadmanhahana	-1007		5	416 ILYRHT	Ş	A10 R/FF/T		1 967
2.4.5. Telephoremberrol				2000 I WRHT	5	CANO BURHT		
2 Chlomonahahalan			.	41011165				1967
				THE POPULATION OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY	8	THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE P		
Dimentral asks the factor				THEN LIGHT	8	THE PLEASE		
A constitution			2 5	THEY SELECT	\$ \$			
Acceptation case					3			
			Ř.			Ale Keni		
				ZOUD UACHTI		ZODO K(EHT)		
Acenaphibene				410 UKEHI	0.00	410 K(EHI		R.
2,4-Dinitrophend			8	2000 UKEHT	86 1	2000 R(EHT)		2007
1-Nitrophenal			961	2000 UXEHT)	9 <u>6</u>	2000 R(EHT)		D 0062
Dibersoluran			38	410 UXEHT	\$	410 R(EHT)		D 924
2,4-Dinitrotoluene				410 UXEHT	D 99	410 R(EHT)		788 C
Diethyl phthalate			380	410 UXBHT	\$	410 R(EHT		180 C
4-Chlorophenyl phenyl ether			390	410 UYEHT	9	410 R/EHT		420 U
Placene	400 L		390 R(EHT)	410 UYEHT	D 007	410 R/BHT		1924
1-Nitrostiline			906	2000 UXBHT)	180	2000 R/EHT		2000
4 6-Dinitro-2-methylphenot			1961	2000 II VEHT	8	2000 R/FHT		1000
N - Mirosodinherademine (1)			5	AIDIIVEHT	\$	A10 B(FIFT		1967
4-Promontend phend ether			35	410 UKEHT	9	410 R/B/IT		1 927
Hemchlombenzene			95.		Ş	410 R/CHT		187
Pentachloronthenol			, and	2000 II WRITT	Ē	AND BURNE		I was
Phononthrone			2	A16 11 VRWT	\$	A10 PCBUT		
Anthropen	11 007	11 A16 B/RHT		A10 II VEHT				1007
Carbanale Carbanale					\$	THE BUILD		
Al-N-But shahalata				THEY I SE	•	AND DELL'A		1967
Maria Dough promessus					•			

	Table B-6. Data Presentation: Site 1 - Fire Traini		g Area – Soll Samples (1991) – 122^{-4} Tactica		l Repter Wing, Indiana Air National Guard, Pt. Wayne, I	Vational Guard, Pt. W	Vayne, Indiana (Contin	90
SAIC ID Number	SB1A-1-1	SB1A-1-2	SB1A-1-3	SB1A-1-5	SB1A-1-5	SB1A-1-5R	SB1A-2-1	SB1A-2-2
Laboratory Sample Number	13290, 14213	13291, 14214	13292, 14215	14348	13293, 14216	14349	13294, 14217	13295, 14218
Associated Field QC Samples	FB1-1	FB1-1	FB1-1, 2-1	FB2-1	FB1-1, 2-1	FB2-1	FB1-1	FB1-1
•	TB11-3-91	TB11-3-91	TB11-3-91	TB11-6-91	TB11-3-91	TB11-6-91	TB11-3-91	TB11-3-91
Parameter	Units BB1-1, 1A-1, 4-1	BB1-1, 1A-1, 4-1	EB1-1, 1A-1, 2-1, 4-1	EB2-1, 4-1	EB1-1, 1A-1, 2-1	EB2-1	EB1-1, 1A-1, 4-1	EB1-1, 1A-1, 4-1
SEMIVOLATILE ORGANICS (SOW 3/M)	i_							
(Continued)	1							
		810 XEHT	43 XEHTO	410 UXEH		410 R(EH		
Butylbenzylphthelate		410 R(EH)	n 390 R(EHT)	410 UXBH		410 R(EH		
idine		820 R(EHT		410 UXBH		410 R(EH		
Benzo(a)anthracene		S10 XEHT		410 UXEH		410 R(EH		
Chrysene		S90 XEHT		410 UXBH		410 R(EH		
bis(2Ethylbenyl jobt balate		410 R(BH	_	410 UXEH		410 R(EH		
2	JRg 400 U	410 R(BHT)	D 390 R(BHT)	410 UXEH	- 400 U	410 R(EHT)		
Benzo(b)fluoranthene		710 XEHT		410 UXEH		410 R/EH		
2		THE W 098		410 UXEH		410 R/EH		
		800 XEHT		410 UXBH		410 R(EH		
d)pyrene		570 XEHT)		410 UXBH		410 R/EH		
•	JAg +00 U	410 R(EH		410 CT (EH	.E	410 R(BH		
Benzo(g,h,) perylene	744	700 XEHT	390 R(BHT)	410 UX(BHT)	E 480	410 R(BH		120 U
	HE/KE 14480 (29)	630(2)	1340 (6)	4990(15)	12600 (20)	(61) 02502	16760 (18)	

1440 (a)

B. the reported value is estimated because it is greater than the Instrument Detection Lmit (IDL), but less than the Contract Required Detection Lmik(CRDL)

EHT – extraction bodding time outside control limits

FB – compound/element was also detected in the associated field blank.

HT – extraction bodding time greater than control limit

- extinated value

MB – compound/element was also detected in the associated laboratory method blank

MB – compound/element was also detected in the associated laboratory method blank

MB – extinated value

MB – compound/element was also detected in the associated laboratory method blank

M – extinate also where

RPD – matrix splitschaarit splits duplicate (MSNASD) relative percent differences (RPDs) greater than the control limits

W – nompound/element was included in analysis, but was not detected

W – pool – digastication splits for Chapbite Furnace Alconic Absorption (GFAA) analysis is out of control limits

- duplicates assumple analysis outside of control limits

- duplicates assumple analysis outside of control limits

adated Fleid QC Samples againt Petroleum Hydrocarbons anony inc illiam alum minum er er uny el illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illiam illia	1326, 14219 FB1-1 TB11-3-91 Unia EB1-1, 1A-1, 4-1 mg/kg 50 U(N) mg/kg 53 (*) mg/kg 53 (*) mg/kg 53 (*) mg/kg 11,9 mg/kg 20.8 mg/kg 20.8 mg/kg 20.8	1357,14220 FB1-1 TB11-3-91 BB1-1,1A-1,4-1 \$0 U 4.9 X(B) 4.8 X(B) 0.22 U	14263, 14273 FB1-1 TB-11-05-91	14263, 14273 PB1-1		14350 FB2-1 TB11-6-91	14351 FB2-1 TB11-6-91	14264, 14274 FB1 - 1 TR11 - 701
d Fleid OC Samples roleum Hydrocarbons AMICS	7811–1 11–181–1, 17–1	FB TB11-3	FB1-1 TB-11-05-91	7811		FB2-1 TB11-6-91	FB2-1 TR11-6-91	FB1-1
ANICS	TB11-3	TB11-3	TB-11-05-91	· · · ·		TB11-6-91	TR11-6-91	TB11_7_01
roleum Hydrocarbona AMCS	-1,1/-	EBI - 1, 1A-		18-11-02-41				14
ANICS ANICS			EDI-1, IA-1	EB1-1, 1A-1	EB1-1, 1A-1, 4-1	EB2-1	RB2-1	EB1-1, 1A-1, 2-1
ANCS			906	X	20 0	30 U	10	0 9 5
> 8								
8			5.2 J(B,N)	¥ Z	3.2 UJ(N)	3.3 U.K.N.)	3.2 U.KN)	3.2 UJ(N)
B			7.3(*)	ž	7.(0)	5.7	11.8 R(N)	75 (*)
- B			0.27 J(B)	₹ Z	0.47 J(B)	0.45	0.54 J(B)	0.48 X(B)
В			0.22 U	×	0.23 J(MB,B)		0.46 J(B)	1.3 X(MB)
		3	56	¥:	17.9	19.3	17.4	17.1
		12.9	9'02	۲ ۲	13.2	43.7	2	23.1
		9.3	14.4	¥	10.7	13.8	11.9	10.7
		0.1 U	6.1 C	٧×	0.1 C	0.1 UXHT)	O.1 UXHT)	•.1 U
			14.9	₹X	25.5	30.4	27.9	33,3
Ø			0.22 U.KN)	Y X	(N)(N)	0.42 J(B)	0.24 UW	622 U.KN)
		0.43 U	0.43 U	₹	0.46 U	0.46 U	0.46 U	0.45 U
	024 C		6.24 J(MB,B)	Z Z	0.23 U	1.1 XMB.B)	0240	6.38 X(MB,B)
		8	9 700	S	9779	(,)	(.)719	41.
VOLATILE ORGANICS (SOW 379)								
Chloromethane	HR/RR 62 U	O 99	28	¥.	28.0	62 U	62 U	29 U
			D 99	×	D 88	C C C	D 29	2000
			⊃ %	٧×	28.0	62 U	0.29	200
			23	٧×	S8 U	62 U	62 U	∩ 6 \$
se Chloride			69 U(FB)	₹:	66 U(FB)	3	2	2
			8.	ž	κ:	8.	25	<u>8</u>
1 1 Dishlomorphism	#876 31 U) : * ?	Š	25) F) ; ;	2
			5 2	Ç 4	2 2 2	5 =	2 =)
1.2—Dichloroethere (Total)		2 5	25	Z X	4) = ; =	2 =	2 2
Chloroform		300	34.0	Ž	28.5	31.0	אני	2
xthane	31	30 U	340	×z	7 62	31.0	310	D 62
2 - Butanone	3	n 9	25	¥z	Ω 8 8	0.2 U	42 U	⊃ 6 5
•	# :	200) X	ž	25	ລ :	אר מני	2
Carbon l'ethethoride	#848 31 U	2	2 2	< :	2 %	25.) : :	⊃ : \$ \$
		288	2 2	Ç ₹	2 2) = 		2 %
tene	31 U	30.0	34.0	ź	2 82	310	310	2 62
	HEAR 31 U	30 C	340	¥	29 U	31.0	31.0	2 0
•	# :	300	34.0	ž	7 62 2 62	31 0	אנ מני	⊃ 8 2
ichloroethane	E :	0.00	2	ž	29 U	۵: ت	310	⊃ : \$2
Benzene # 3-Theblocomecana	#646 ::-A-:	2 5	7.7	4 2	⊃ : \$1,9) = = =	٠. د د	⊃ = 8; 8
		2 5		ξ 2	067	2 2		2 2
2-peritabone		200) = 1 5 5	ζ χ		1 7	2 2) ;
		D 09	3	ź	2 88	0.29	25	2 65
bene		300	3 C	X	∩ 62	31.0	310	D 62
Fetrachloroethane	#8/kg 31 U	30.0	340	Ž:	D 62	310	310	2 2
	_	991	3	۲ :	3	(X-1)	110 J(FR)	2 5
First Services	notes 31.11	25) = ,	< <	0.5	2 2	2 2	2 2
		300	2	ź	29.0	310	310	2 2
Total)		30.0	3.5	ž	2	310	310	7 67
		(0)0	6	ž	99	9	99	9

Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Tabl	SAIC ID Number		SB1A-2-3	SBIA-3-1		SBIA-3-2DL	SB1A-3-3	SB1A-3-4	SBIA	SB1A-3-5
Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit Thirt-i-fit	Laboratory Sample Number Associated Pield OC Samples		13296, 14219 FB1-1	13297, 14220 FB1-1		14263, 14273 PR1=1	13298, 14221 PR1-1	14350 FR2-1		14264, 14274 FR1 = 1
### Company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the co			TB11-3-91	TB11-3-91	TB-11-05-91	TB-11-05-91	TB11-3-91	TB11-6-91	TB11-6-91	TB11-7-91
	Parameter Spiritor Arti a Obil Allies AS		B1-1, IA-1, 4-1	EB1-1, 1A-1, 4-1	EB1-1, 1A-1	EB1-1, 1A-1	EB1-1, 1A-1, 4-1	E82-1	EB2-1	EBI-1, 1A-1,2-
	Phenol		400 U	1007 1007	₹X	2300 U	380 U	410 U	410 U XSSR	380
	Ne(2-Chloroethyl)ether	3	1 00 7	7007	¥.	2300 U	360 €	7017	410 UXSSR	38
	2 - Chlorophenal	FORE	200	100 f	Y 2	2300 U	366	0.017	410 U.(SSR	8
	1.3 - Dichlorobergene	2 C	3 5	0.004	4	0.867				
	1,4 - Dichlorobergene	94	3 5	3	(-	1 442.0	2000		400 Y D 014	R 8
N	2-Methylphenol		2004	200	€ 2	2300 C	386		410 UXSSR	
No. 1	2,2'-oxybis(1-Chloropropane)	. SV8	2004	O 004	Y X	2300 U	380 U	O 014	410 UXSSR	8
#### 400 0	1-Methylphenol	F.678	400 €	400 U	4 X	2300 U	360 U	110 C	410 UXSSR	28
## ## ## ## ## ## ## ## ## ## ## ## ##	V-Nitroso-di-N-propylamine	# SAS	2004	400 U	₹ X	2300 €	380 €	O 01+	410 UXSSR	38
#### 400 400 10 NA 2000 10 400 400 400 400 10 NA 2000 10 300 10 400 400 10 NA 2000 10 300 10 400 10 400 10 10 10 10 10 10 10 10 10 10 10 10 1	-lexachloroethane	rge T	2004	400 C	۲×	2300 U	380 U	7007	410 U X SSR	38
#### 400	Vitrobermene	10/s	20	2004	۲ ۲	2300 U	380 U	410 C	410 UXSSR	38
#### 4000	soplorone	içki	26	000	Y:	2300 0	360	0.017	410 UXSSR	8
Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Mari	- Nitrophena	2	3 5		4 4	0.0057				R
Mar. 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990	1,4 = Lymetry/poetrol		3 5	3	4 7	2000	396		ASSECTION AND AND AND AND AND AND AND AND AND AN	2 3
March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March Marc	na (z – Chor cerpony) pre mane v 4 – Dichloropheno		3 5		(4	1 402			410 LU 300 K	
Indeed	12.4 - Trichlorobenzene		9 9	000	Z Z	300		7007	ASSAU 014	
Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Par	Naphthalene	16.5	100 C	400 U	¥x	2300 U	380 U	110 C	ASS/LO 014	8
Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Maintaine Main	Chloroeniline	T BY	400 N	100 1	¥z	2300 U	380 U	410 U	410 UXSSR	380
Decouposerol Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco	lexical contradient	Ž.	284	- 66 - 66 - 66	¥:	2300 U	⊃ : 8€	2 :	410 U.J.SSR	
March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March Marc	-Cataron - 3 - memypaeno	910			₹ ₹	1 90%			NSS COOLS	
application μ/μ μ 400 U 400 U NA 1360 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U 460 U	4.6-Trichlorenbenol		8 8	1004	€ ×	2862	386	100	ASSET 1011	
line jgkg 2000 U 400 U NA 2000 U 400 U A00 U 400 U A00 U 400 U A00 U 400 U A00 U 400 U A00 U 400 U A10 U 400 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A10 U A1	- Methylnaphthalene	HE/KR	400 €	D 007	¥ Z	2300	360	10 C	410 U X SSR	
High 400 U NA 1390 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 41	4.5 - Trichloorophenol	PACE.	2000 U	U 0061	¥	11000 U	1900 U	D 000Z	2000 UXSSR	_
	-Chloronaphthalene	#BYB#	200	1000 C	Y:	2300 U	380	10 C	410 UXSSR	
Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance	i – Nicrosmine Ni – John sheheles	PACE.		0.0001	Y	1100011	0.0061	0.0002	MSS (1 0 10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
Higher High 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 10	Acentry purings of		2 4	2	< Z	11 0017			ASSALI OLY	
ilitie julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, julia, ju	.6-Dinitrotoluene	6 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4	\$ 6	1004	Z Z	2300	3000	700	HSSAU 015	
state µg/kg 400 U 140 U NA 1300 U 1900 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U	-Nitrosniine	1878	2000 U	U 0001	4 Z	11000 I	D 0061	2000 U	2000 U (SSR	
wind µg/kg 2000 U 1900 U NA 11000 U 1900 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U <td>Acenaphthene</td> <td>16% 1</td> <td>200</td> <td>7007</td> <td>₹ Z</td> <td>2300 U</td> <td>380 0</td> <td>A 017</td> <td>410 UXSSR</td> <td></td>	Acenaphthene	16% 1	200	7007	₹ Z	2300 U	380 0	A 017	410 UXSSR	
The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The color The	4 - Dinitrophenol	,	2000	0 0061	4	11000 I	D 0061	2000	2000 U SSR	
Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig. 2000 Fig.	Nitroppend	FEARS	0.000	0.0061	4 2	1 00011	0.0061	2000	ASS JU 0002	
Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part	A. Dinima shape	242	3	264	C 4	1 000	1996		45C) CO 014	
piently phonyl ether pg/kg 400 U 400 U NA 2300 U 380 U 410 U 410 U MA 11000 U 1900 U 2000 U 2000 U 1900 U 2000 U 2000 U 1900 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2000 U 2	Diethyl obt balate		1907	1007	* * * * * * * * * * * * * * * * * * *	23001	11 085		ASSALI OIL	
Hone	-Chlorobeny pheny ether	#E/E	9	1004	× z	2300 U	380 U	700	410 U VSSR	
Hilling	lucrene	18/8	2 00+	1004	₹Z	2300 U	380 U	∩ 01	410 UXSSR	
*** Constraint of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the	Nitroantiine	83/8×	2000 C	1900 U	٧x	11000 U	D 0061	2000	2000 U.K.SSR	_
Additional paging 400 400 NA 2300 3500 410 U 410 U 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400 U A 400	1,6-Dinitro-2-methytphenol	HEAR.	2000	D 0061	Y:	11000 C	1900 C	2000	2000 U.X.SSR	
State of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the	A - Nitroecdipbenylamine (1)	1648	200	000	Y :	2300	28.	007	410 UXSSR	
Part	- Er casopoenty poenty curer		3 5	3	(0.000	386		MSS TO 014	
### 400 U 400 U 400 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 410 U 41	Texacility operations			1 9085	C 4	0.000	2000	110004	410 017	
c ABA 2300 400 400 10 10 10 10 10 10 10 10 10 10 10 10 1	henanthrene		1907	1904	(×	2300.7	1 987	1017	ASSALI OIL	
140 U NA 2300 410 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A 100 U A	Anthracene	Ž	1007	100 4	Š	2300 U	360	7007	410 U JSSR	386
1917 1980 19602 VN 1907 1907 1987	Carbazole	Ž	⊃ 00 +	100 T	٧×	2300 U	300 C	410 U	410 U JSSR	
	di - X - But vi obthalate	- W-11								

ł									
SAIC ID NEBBET		SB1A-2-3		SB1A-3-2	SB1A-3-2DL	SB1A-3-3	SR1A-3-4	CRIA-1-4P	2-1-4-1-C
aboratory Sample Number		13296, 14219	13297, 14220	14263, 14273	14263, 14273	13298, 14221	14350	14351	ATCAL 14774
Associated Field QC Samples		FB1-1	FB1-1	FB1-1	FB1-1	FB1-1	FB2-1	FB2-1	FRI
		TB11-3-91	TB11-3-91	TB-11-05-91	TB-11-05-91	TB11-3-91	TB11-6-91	TB11-6-91	TR11-7-01
nabeter	Cale	BB1-1, 1A-1, 4-1	EB1-1, 1A-1, 4-1	EB1-1.1A-1	BB1-1.1A-1	EB1-1 1A-1 4-1	FR2-1	FB2-1	PR1-1 14-1 1-1
BMIVOLATILE ORGANICS (SOW 3/90)	(SOW 3/NE)								1-11-01-1-12
Constituted	440	11 444	ş	3		•			
		3	3	C	0 8057	っま	4100	410 U.(SS)	
ydbenzykpistnalate	121	284	0.007	۲×	2300 €	⊃ \$ ₹	410 U	SSX O 017	
3'-Dichlorobenzidine	i k	7 90 7	199 C	٧x	2300 U	386 U	410 U	416 U XSSI	
Senzo(a)anthracene	# 17 kg	12 00 1	100 C	4 2	2306 U	380 U	1007	410 UXSS	
yeere	15 Kg	⊃ 00 ‡	7007	٧×	2300 U	380 U	410 U	410 U X SSE	
2 - Ethythenyl Joht halate	¥¥8	1004	100T	₹Z	2300 U	380 U	4100	SSAU 614	
-N-Octyd phthalate	HOVE	100 +	2007	₹Z	230 0 U	380 U	410 [41011788	
ac(b)fluoranthene	Ž	□ 007	999	٧z	2300 U	⊃ 98	410 [41017188	
ao(k)fluoreathene	HOVE.	400 €	100 7	₹Z	2300 U	380	41011	SSALIGIA	
enzo(a)pyrene	7	□ 00+	300 J	V Z	2300 U	7,00€	410 0	410 UVSS	
eno(1,2,3-ad)pyrene	NO.	⊃ 00 ‡	D 994	٧x	230e U	2000	700	410 U KSSR)	
ermo(a,b)anthracene	#PAG	⊃ 9	D 007	₹	2300 U	2000	4100	A10 UK	
nao(g,hJ)perylene	FFE	2	100t	Y X	2300 U	2000	7007	SSXU 017	
Total	MENE	6340 (14)	21060 (20)	< ×	29640 (11)	4796(11)	7610 (18)	6240(13)	

1. The reported value is estimated because it is greater than the inarrument Detection Limit (IDL), but less than the Contract Required Detection Limit(CRDL)

D - the identified compound was analyzed at a secondary dilution factor after exceeding the calibration range of the instrument on the first analysis

FB - compound-lement was also detected in the associated field blank

FR - field replicate relative percent differences (RPDs) outside control limits

J - estimated value

NB - compound-lement was also detected in the associated laboratory method blank

NA - not analyzed

R - specied value

R - expected value

R - expected value

R - expected value

R - expected value

R - expected value

R - expected value

R - expected value

R - expected value

R - expected value

R - expected value

R - expected value

V - compound-denerative value control limits

V - one pound-deferenct was included in analysis, but was not detected

W - post-digesion spike for Grapbite Furrace Atomic Absorption (GFAA) analysis is out of control limits (85 - 115%), while sample a than 50% of the spike absorbance

- duplicate sample analysis outside of control limits

ACID Number	GWI-1	OW-1RE	MW1-01	MW1-02	
aboratory Sample Number	13300	13300RE	14354	14267.142.77	14396
succinted Field OC Shaples	1981-1	FB1-1	FB2-1	FB1-1	PR2-1
	TB11-3-91	TB11-3-91	TB11-6-91	TB11-05-91	TB11-7-91
unmeter	EB	EB1-1, 1A-1, 4-1	EB2-1	EB1-1, 1A-1	EB2-1
Aal Petroleum Hydrocarbons	NA Jan	≨	PI	10	1
KORGANICS					
ntimony		Ž	14.2 J.N.B.		
venic		ž	42.4		
syllium		ž	1.8 3(8)		
deine		ž	21	1.7 JONE B)	
Iromium		Ź	6.09	21.2	
) bber	N. N.	Ş	3.6	30.2	75.7
2		ž	\$	z	1.8
ercury		ž	ETH)TO ES	_	0.2 UI(HT)
okei		Ź	172		X
lenium ienium		ž			I CIEN
1		Ş	2002		2 CEN
A librar		Ź	101	21	10
2		ž	122		212

		56 56 56 56 56 56 56 56 56 56 56 56 56 5	, 33331	22222	222 22	2222	2222	
		ige ige	33	200	2 2	200	200 200 200 200	
		ethane	33	ຂະ	£ £	22	22	
		ethene (total)	įį		2		SC SC	
		cthane	1	2 ° °	Ž Ž	5 5 5 5 5 5	. S . S	
		roethane	¥.		ź		2:	
		Shicride	1	25	≨ ≨	25	25	
		Gropane	į	22	≨ ≨	25	22	
		loropropene	3	SU	ź	os S	20	
			3	20	Ź	20	SC	
		omethane	Ę	20	≨	SC	20	
		roethane	Į.	.	Ž :	23	os:	
		100	Į.	⊋:	≨:	2:	25	
NA NA NA NA NA NA NA NA NA NA NA NA NA N		chicropropene	3 3	22	źź	22	- -	
NA NA NA NA NA NA NA NA NA NA NA NA NA N		- pentanone	4	201	£	200	2	
NA NA NA SUU NA SUU NA NA NA SUU NA NA NA NA NA NA NA NA NA NA NA NA NA		•	Ą	2	£	⊃ 9	200	
NA NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU		Mene	Ę	os Sc	Ź	20	20	
SC NA NA SU SU SU SU SU SU SU SU SU SU SU SU SU		hicroethane	Ž	SC	Ź	20	SC	
NA NA SUU NA NA SUU NA NA SUU NA NA NA SUU NA NA NA SUU NA NA NA SUU NA NA SUU NA NA SUU NA NA SUU NA NA SUU NA NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA SUU NA	A V V V V V V V V V V V V V V V V V V V		¥	SC	Ź	20	SC	
MA SU SU NA SU SU SU SU SU SU SU SU SU SU SU SU SU			Ę	20	Ź	20	20	
	* * * *		Ę	ns:	Ź	ns:	S.C	
	X X		Ž	2:	≨:	⊋;	25	
			Ž.	2	≨:	25	2 2 3	

Table B.-7. Data Presentation: Site 1 - Fire Training Area -- Groundwater Samples (1991) 122^{ed} Tactical Fighter Wing, Indiana Air National Guard, Pt. Wayne, Indiana (Continned)

-	sel Pighter	Wing, Indiana A	22" Tactical Fighter Wing, Indiana Air National Guard, Pt. Wayne, Indiana (Continued)	Pt. Wayne, Inc	diana (Continued)	
SAIC ID Number		CWI-I	GW-IRE	MW1-01	MW1-02	9
Laboratory Sample Number		13300	13300RE	14354	14267,14277	14396
Associated Field OC Samples		FB1-1	FB1-1	FB2-1	FB1-1	FB2-1
	;		TB11-3-91	TB11-6-91	TB11-06-91	TB11-7-91
	5	EBI-1, IA-1, 4-1	EBI-1, IA-1, 4-1	E82-1	EBI-1, IA-1	EB2-1
Phone Phone Chicago (30)		(033/04)	10 D/GCD	-	=======================================	11.61
his 2 - Chlomosthalbether				2 5	2 5	
2-Chimothenol	À	10 R(SSR)	10 R/SSR	2	2 2	2 5
1.3-Dichlorobenzene	1	10 R(SSR)	10 R(SSR)	200	200	2 2
1,4- Dichlorobenzene	Ę	10 R(SSR)	10 R/SSR	7 91	001	2 2
1,2-Dichlorobenzene	į	10 R(SSR)	10 R/SSR		10 U	2 22
2 - Methylphenol	Ę	10 R(SSR)	10 R(SSR)	□ 01	⊃ 9 1	201
2.2" - orgon(1-Chloropropane)	7	10 R(SSR)	10 R(SSR)	10 C	D 01	200
4-Methylphenol	Ĭ,	10 R(SSR)	10 R(SSR)	20 €	20	
N-Nitroso-di-N-propylamine	Ž	10 R(SSR)	10 R(SSR)	20	2	200
Hemchicroethane	Ž,	10 R(SSR)	10 R(SSR)	2	2	2
Nirobenzene	Į.	TO R(SSR)	10 R(SSR)	2	2	2
Isophorose	₹.	10 K(SSK)	10 R(SSR)	9:); e;	2
	1	TO KOSKO	10 K(SSK)			2
kid a Chilman make ashe a		10 K(SSK)	10 K(SSK)		2 \$	2 5
2.4. Dichlosophood	1	10 E(SED)	10 K(33K)	25	2 5	25
1.9 4. Thickloops again		(ASS) 0 41	(035) G (1		2	
Marchine Land Organic			(ASSE) OF COSED		25	
4-Chronoline		10 R(SSR)	10 R/SSB	2 =	2 2	2 5
Herachlar obutadiene	, i	10 RCSSR)	10 R/SSR	2	200	2
4-Chlaro-3-methylphenol	3	10 R(SSR)	10 R(SSR)	2	200	2
Herachicr ocyclopentadiene	3	10 R(SSR)	10 R(SSR)	2 01	O 01	200
2,4,6-Trichlorophenol	Ž	10 R(SSR)	10 R(SSR)		D 01	D 01
2 - Methylanphilalene	Ž,	10 R(SSR)	10 R(SSR)		2	2
2,4,5 - Trichlorophenol	3	S K SK	SO R(SSR)	2); 第:	? :
2-Chicronaphinakme	Į.	IO K(SSK)	IO R(SSR)		2:	2:
	1	20 K(35K)	(XXX)X X	2 2	2 2	2 S
Acetachile number	1	10 R(SSR)	TO RESERVE	2 5		2 5
26-Dinitrotohiene		10 R/SSR)	10 R(SSR)	2 9	2 2	
3-Nitronniline	Į,	SO R(SSR)	S R(SSR)	8	3	· S
Aceraphthene	Ž.	10 R(SSR)	10 R(SSR)		200	10 C
2,4-Dinitrophenol	Į.	S R(SSR)	SO R(SSR)	8	⊃: &:	⊋: S :
Change and an an an an an an an an an an an an an	3	(XXX)X (XXX)	N K (SSK)	2 5	2 5	2 5
2 4- Cinima chima		(desp) a vi	(SEC)OUT	2 5		
Diethylphthalate	1	10 R/SSR)	10 RYSSR)			2 2
4-Chlarophenyl phenyl ether	ž	10 R(SSR)	10 R(SSR)		D 01	200
Plucrene	7	10 R(SSR)	10 R(SSR)		O 01	D 01
4-Nitronniline	7	50 R(SSR)	50 R(SSR)		200	⊃ %
4.6-Dinitro-2-methylphenol	Ž.	S R(SSR)	SO R(SSR)		⊃ : & :	⊃: S:
N- Mirosodiphenymene	3	10 K(SSK)		- •	2 5	2 :
Homospher character		(ACC) A PI	(NCC) NOT		2 5	2 5
Preschiptorylessol		(asc) a 9	CORPORATE OF	2 5	⊋ 5	2 5
Phenanthrene	Ę	10 R(SSR)	10 RCSSR)		200	2 2
Anthracene	Ž	10 R(SSR)	10 R(SSR)	2	200	200
Carteacole	ž	10 R(SSR)	10 R(SSR)	2	2 62	201
di-N-Butyphthalate	ž	10 R(SSR)	10 R(SSR)	2	36 5	1 0 C
Phonenthene	Ž	10 R(SSR)	10 R(55R)	D 01	20	10 C

96-4 9661 	1811-7-91 182-1 182-1 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19	
ter Samples (1991) liana (Costinsed) MW1-02 1466,14277 TTP: FB1-1	10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U	
n - Groundwa Fr. Wayne In MW1-01 1435 FB2-1 TB11-6-91	100 100 100 100 100 100 100 100 100 100	
Air National Guard, OW-IRE 13300RE RB1-1 TB11-31-91	10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR)	
Table B-7. Data Presentation: Site 1 - Fire Training Area - Groundwater Samples (1991)	10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(SSR) 10 R(S	
d Tactical Pight Tactical Pight Units BB	Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft. Haft.	
D Number toy Sample Num ited Field OC Su tot CICATILE CER	But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But But	

•	
₹	
Ç	
3	
-	٠,
7	
93	٠
7	4
60	,
ŀ	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
3	2
ž	•
ø	c
.2	
8	
툿	į
ర	2
2	ł
3	
3	1
1	4
₫	-
Ĕ	•
3	1
- Hanne	Latinate A Section
ŧ	4
•	3
3	s
Ø,	•
ä	3
Ē.	d
3	ř
7	7
ž	
٤	3
la Presentati	į
Ĭ,	ğ
	٢
4	÷
I	
ė	
ž	
3	
-	

		- 1	Taction Pighte	r Wing, Indiana Air No	ir National Guard, Pt. Wayne,	Indian		
SAIC ID Number		282-01-01 282-01-01	SB2-01-02	61 - 15-285 1-15-285	262-01-19RE	282-42-61 282-42-61	282-63-01 282-63-01	S82-61-01
American Field Of Complex		M42.1004	FR-01 -07	FIR LAT LA	3 10 10 10 10 10 10 10 10 10 10 10 10 10	10/7700X	20677007	(0.523.00)
Charles of their commen		į F	70-01	79 TO 1	70-10-01	79-19-01		79-10-01
Paradet	Units	EW-63-64	EW-02-04	EW-63-04	EW-03-64	FW-65-66	FW-67-184-195	20 - M- M- M- M-
Total Petroleum Hydrocarbons		1		160	1	ie Ux(HT)	1500 J(HT)	CHT) Sees J(HT)
METALS								
Antimorn	\$	6 10 R(N)	≨:	Q 10 R(N)	≨:		A 11 R(N)	G.11 R(N)
Bertin		0.20 (MIS,N)	€ ≨	(x) (x)	\$ \$	1.76 J(N)	(N)r Ar ar	(N) 8711
Cadmium	Š	0.00	ž	0.31 J(MB,B)	≨	6 21 U	EAS J(NB)	6.23 J(MB/B)
Chromium	2	8 5	\$ \$	9 :	≨:	87	8 11 2	8:
Lead		6.20 J(EB)	₹ ≨	7.60 XEB)	€ ≨	3.70 J(EB)		15.60 (*)
Mercury	\$	200	Ź	O 602 U	¥		600	0.00
Nickel	3	1.70 J(MB,B)	≨;	15.40 J(MB)	≨:	1.60 J(MB,B)	95.5E	2 1
		2001	€ ≨	1.10 U	≨ ≵	120 DW	12.0 CM	# 1 5 CW
Thellive	3	4.20 UW	Ź	6.30 J(B)	ž	0.21 U	(5.77.2(B)	6.56 J(B)
Zinc	7	6.90 J(PB)	ž	288.60	≨	460 J(FB)	64.90 J(FB)	44.56 J(FB)
VOLATILE ORGANIC COMPOUNDS	SOA							
Chloromethene	3	⊃: =:	200	13 UJ(SSR, IS)	13 UJ(SSR)	1	ם ב	⊃ \$₹
Bromomethane	Š) = :	25	13 UJ(SSR.IS)	13 UJ(SSR)	:	<u>=</u> :) 9
Chicagos		=======================================	300	13 (1) (2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3			2 =) = 7 7
Mathylene Chloride	1	S.U.	3	S	21 UJ(TB/SR)	E n	16 U(TB)	e z
Actions	Ž	ם: D:	D 62	13 UJ(SSR, IS)	13 UJ(SSR)	n II	R	928
Carbon Disultide	1	25	9	• UJ(SSR,IS)	(MS)(1)	2:	3:	2 : R :
1.1 - Dichloroethave		200	2			25	35	2 2
1,2-Dichlaroethere (total)		s o	29	(UKSKES)		2.5	2.5	2
Chloroform	3	o S	3	6 UJ(SSR,IS)	(MS)(n)	S C	S	2 2
1,2-Dichleroethane	Ž.	D:	2	4 UJ(SSR, IS)	403(58)	ne :	ລເ	0.1
2-Butanone 111-Thickinschaus	Š	25	26	13 UJ(SSR, IS)	13 UJ(SER)	25	25	⊃ : %
Carbon Tetrachloride		30	•	(2)(38)(1)	4 UKSSR IS)	2 5	2.5	121
Vinyl Actate	3	מנ	USI	13 UJ(SSR, IS)	13 UJ(SSR.IS)	ווֹמ	กแ	. 3
Brossodiethor omethane	1	25	9;	6 UJ(SR.IS)	(C)(SS(S))	25		⊃: & 1
i,t-Denorapropere cis-1,3-Dichlorograpere		2 2	2 3	(S) (S) (S) (S) (S) (S) (S) (S) (S) (S)	(3) (3) (3) (3) (3) (3) (3) (3) (3) (3)	25	25	
Trichlaroethene	3	2.5	3	• UJ(SSR, IS)	6 UJ(SSR,IS)	 	S.S.	2.2
Dibrosochioromethane	Ş.	⊋:) (1)	6 UX(SSR, IS)	6 UJ(SSR, IS)	25	2	
i, i.c ir schotoetimise Benzene		2	•	4 (1)(SEC.15)	4 (1)(SE(.D.)	25	25	
trans-1,3-Dichloropropene	Ş	SU	0.9	6 UJ(SSR, IS)	6 UJ(SSR, IS)	2.5	S C	
Bromoform	Š	⊃ :	n • ;	6U(SSR.IS)	(U)(SSP, IS)	⊋;	S :	25.
2 - Hermone		2 =	3 2	13 (A) (A) (A) (A) (A) (A) (A) (A) (A) (A)	(3, 20, (3, 2))	2 2	2=	
Tetrachianoethene	\$	30	7	4 UJ(SSR, IS)	4 UJ(SSR.IS)	ne 3	300	D 11
1,1,22-Tetrachioroethane	Š	25	29	•	6 UJ(SSR, IS)	ns:	20	n ez
Total	\$	36 U(rB)	8.0.4 (8.0.48)	-	240 J(35K, IS)	25	15 U(FB)	.
Ethylbensene	1	2.5	· <u>*</u>	(U)(SR. IS)	(UXSELS)	22	2.5	3.3
Syrene	Ş	SU	19	6 UJ(SSR. IS)	€ UJ(SSR.IS)	ns:	ns.	
Total Xylenes	5	2 :	<u>8</u> :	6 UJ(SSR, IS)	6 UJ(SSR, IS)			2
bodom at hence	1	22	2 2	13 (1) (28 (15)	13 UKSK.15)	22	22	⊃ = ₹ 5
Acrolein	1	D :	2	SA UNISSR. IS)	50 UX(SER.IS)	D #	3	230 U
Acryonatrile	\$	₽ =	2 2 2	\$ U(S\$8.15)	\$ U(\$\$.15)	⊃: ¥:	∓:	n 62
1,23-Trictacropropene		2 2	300	13 UKSR. IS)	13 UKSR. IS)	2 2		2 3 R 58
1,4-Dictionobutane	1	מו	ממ	13 UJ(SSR, IS)	13 UN(SER. IS)	2	2	n ex
Ethyl Methecrylate	5) = :	2:	13 (1/588,15)	13 W(SBC,ES)	2:	2:	⊃: 3 .
Dictionofficoromethere	1	2 2	o ⊃		S UKSR. IS)	22	22	
TIC Totals	\$	•	•••	6)	(6)	•	•	€.

_	
8	•
5	
Š	
Ĭ	
80	9
8	
1	•
Š	
9	ļ
뷶	i
릠	i
Ç	
į	
3	
5	
ă	2
Ž	
1	
6	=
37	•
ë	
3	
5	
Ę	
ā	
Ã	1
*	į
e B	į
Ž	٠
F	

SAICID N	122	Tactical I	Pighter Win	L Indiana Air Nation	nel Guard, Pt. Wayne, It	odiana (Continued)	14 VA VIII	
Laboratory Sample Number	90021804	9	90021805	90812006	3021806RE	10:27006	90022302	10-15-79S
Associated Fleid QC Samples	FB-01,-02	E	3-01,-02	FB-01,-02	FB-01,-02	FB-01,-02	FB-01,-02	FB-01,-02
	13-05 13-05	i	13 E	18-6	29-81	£-6.	78-65	738-48T
SELIVOY ATTITE OF CANIC COLLECTIONS	ZBOUNDS EW-03-04	E	-88-	EW-03,-04	EW-03-94	EW-03,-04,-05	EW-63,-04,-65	EW-03,-04,-05
Phenot		J(SSR)	Ş	410 U	*	360 U	360 U	386 U
bia(2-Chloroethyl)ether	350 U.	J(SSR)	ž	410 U	¥	360 U	260 €	380 U
2-Chlorophenol			≨:	100	≨:	360	360 U	1980 1
1,3 = Detactoenzene 1,4 = Dichlerobenzene			\$ \$		≨ ≵	0.000	0.000	
Benzyl Alcohol			≨	100	₹ ≨	38	2 2	38
1,2-Dichlorobenzene		(S)	≨:	10 C	≨:	360	360	300 C
2 - weton prema bir(2 - Chlorojaceroon be ber	20 U		≨ ≴	1917	≨ ≵	3 S	⊋ 5	
4-Methylphenol		J(88R)	ş	D 014	≨	360	2 2 2	
N-Nitroso-di-N-propylamine			≨:	D 017	≨:	36	36	D 98
Nitrobenzene			€ ₹		£ 2			
Lophorone		SA, IS)	₹		≨ ≨	200		
2-Nitrophenol		J(SSR, IS)	ş	410 U	Ž	360 U		200
2,4-Dimethylphenol Renzolo Acid	350 U	(SE) (SE) (SE) (SE)	\$ \$	7 410 U	\$ \$	D 25	8	⊃ : 8
bis(2-Chloroethony) methane	•		€ ≱	21017	€ ₹	1976		
24-Dictionophenol		J(SSR. IS)	ź	100 100 100 100 100 100 100 100 100 100	€ ≨	198		
1,2,4-Trichlorobenzene	10 OSE 350 U.	J(SSR, IS)	Ş	70C	Ź	360 U		2 2 2
Naptibalene		J(SSR,IS)	≨:	D 017	≨:	360 U	360	⊃: 98:
Horselfootstadios		(S, K, IS)	žź	7007	≨ \$	0.00	200	⊃: 8 :3
4-Charo-3-metrylebenol	350 U.	1(SER. IS)	£,\$	1014	≨ ≨	11 975		
2-Methylnaphthalene		J(SSR, IS)	ş	0.017	≨	200	2 98	
Herachlorocyclopentadiene		J(SSR)	Ź	10 C	¥	360 U	360	0.000
2,4,6—Trichlorophenol			≨:	200	≨:	360	⊃ 98.	D 686
2,4,5 - If icid or updenos	1,000 1,000 U.		\$ \$	0.000	≨ ≩	1800 U	1900 U	⊃ : 88.
2-Nitrogniline	-	J(SSR)	€ ≨	2000	≨ ≨	19081		
Dimethyl Phthalate		J(SSR)	ž	410 C	≨	360 U	360 U	200
Acenaphthylene	A8/48 350 U.	J(88R)	ž	10 C	¥:	D 096	360	∩ 06 €
2,6 - Lymitotoivene 3 - Nimaniliae	•		\$	410 C	≨ ≩		2 : 2 :	2 2 2 3 3 3 4
Acenaphibene	350 (1)		£≨	410 17	€ ≥	2 98		
24-Dinitroppenol		J(SSR.)	ž	2000 U	Ź	U 0081	1900 U	D 0061
4 - Nitrophenol	_		≨≨	2000 1	≨ ≩	D 6081	2 8 8 8	⊇ : 86:
24-Dinitrotoluene			€ ≨	1000	₹ ≨	3.98	2 S	
Diethyl Phthalate		J(SSR)	ž	410 U	≨	360 U	360 U	
4 Chlor opbenyl phenyl Ether Bluceson	350 U		≨:	70C	≨:	98.5	⊃ : 98 :)
4-Nitropolitoe	-		₹ \$	2000	₹ ₹	1 000	20001	2
4,6-Dinitro-2-methylphenol		(<u>8</u>	Ź	2000 U	≨	1909 I	19061	D 0061
N-Nitrosodiphemylamine		(SE)	≨:	700	≨:	360 U		D 986
Hexachlorobenzene	45/45 46/46 350 U.		ž ž	2 5	£ \$		3 5) = B()
Pertachiorophenol	_	J(SSR)	ź	2000 C	≨	D 0081		19061
Phenanthrene			≨:	7.01	≨:	200		D 996
A-N-Burdahalate	46/kg 350 U.	(SE)	\$ *	25	S S			
Fluoranthene		J(SSR, IS)	ş	700	ź	200		3
Pyrene		J(SSR, IS)	ş	410 C	ş	260		O 000
Butylbenzyl Phthalate		(SR, IS)	ź:	100	≨ :	⊇ ; 3 . į		D 300 C
Benzo(a)anthracene	380	(SR, IS)	ź	4 5 C	₹	28.8	2 3	
Chylene		(SE)	≨:	2. D.	≨:) 98		0 98.
on the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the Says of the			žź		≨ ₹	⊋ 5		
Benzo(b)flucranthene	3000	(SR, IS)	≨	4 5 C	≨	28		
Benzo(k) fluoraribene		J(SSR.IS)	\$:	10 C	≨:	38		
Benzo(a)pyrena Indeno(1,2,3c.d)pyrena	350 05		\$ \$	790	≨ ≨	2 3		⊃ : 2 , 3
Dibenzo(a,b)antiracene)(SSR, IS)	ź	450 C	≨	38		
Benzo(g, b.i)perytene	350 U.	J(888,15)	Ź	410 U	¥	366 U	340 U	388 U

Table B-8. Data Presentation: Site 3 - Hazardous Waste Collection Area - Soil Samples (1990) 122nd Tactical Pighter Wing, Indiana Air National Guard, Pt. Wayne, Indiana (Continued)

					33K] - 10-796			
about the Comple Manher		10 = 10 = 70c	70 10 75K	20 - 10 - 20C	S CONTO COMP	10120-705	00000	TOTAL TOTAL
Account Study County		FR-01 -02	FB-01-07	FIR _ 01 _ 02	FR-01-02	FR-01-07	20CT-01	FR -01 -02
		Œ		18-18-18-18-18-18-18-18-18-18-18-18-18-1		2 - A-1		\$ - E
Parameter Unks 1	Units EW-	-W-03-W	EW-03-04	EW-03,-04	EW-03,-04	EW-03-04-05	EW-63,-64,-65	EW-03-04-05
SEMINOLATILE ORGANIC CON	POUNDS							
N - Niconadiana Indonina	4	1300/11/0001	**	11 mor	**	II wat	11 0001	
2-Picoline		1700 (11(588))	5 ₹	D 0002	₹ ≨	19091	2000	
Methyl Methanesulfonate	ğ	1700 UJ(SSR)	≨	2000 U	ž	1800 U	1900	288
Ethyl Methaneaulfonate	Ž	1700 UJ(SSR)	Ź	J 0002	≨	U 0081	D 0081	D 9061
Aniline	Ž	1700 UJ(SSR)	Ź	D 000Z	≨	1800 U	1800 U	1900 U
Acetaphenane	Ą	1700 UJ(SSR)	≨:	2000 [≨;	1900 U	D 000	D 0061
N-Nitroacpiperidine	\$.	1700 (50%)	2 :	000	≨ ;	0.0001	1900 I	D 0061
James Bylpbened Bylamine	3 .	(XX)(XX)	≨;	0.000	≨:	0.000		0 0061
Z-Dichiorophenoi	Š.		≨:	2000	£ :	200		
N - Nitrogo - GI - N - Outylatting	1		Ž 2	0.000	£ 2	0.000		
Lange of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the secon		(ASS)(1) (MC)	£ 2	11 9000	\$ \$ 2	2 0001		
Pertachinghenzene		1300 1110001	£ 2	7000	5 ≵			
-Nachthylamine	1	1700 (358)	ź	2000	ž	1800	1900	D 3061
- Naohthylamine	, a	1700 UJ(SSR)	ź	2000	ž	U 0081	1989	U 0001
1.2 - Diobern/bydrazine	ğ	1700 UJ(55R)	Ź	2000	ž	1900	D 0081	D 9061
Phenacetin	1	1700 UJ(SSR)	ž	2000	¥	U 0001	U 0001	19001
4-Aminobiphenyl	Ž	1700 UJ(SSR)	≨	D 0002	Ź	1800 U	300FL	1906 U
Pronamide	ş	1700 UJ(SSR)	Ź	Z000 U	Ş	1900 U	∩ 0081	1900 U
Benzidine	Ž	170 UJ(88)	≨:	2000	≨:	0001	D 000	D 8061
p-Lymethylaminoszobenzene	¥.	TAB CI(SK)	≨:	0000	¥:	0.0081		0.0061
7,12 – Dimetbylbenzo(a)anthracene 1 – Markatologias brook	3 :		≨ \$		≨ ≨			
Tic Total	į	N.	. ≨	ž	≨	ş	ź	2 ≥
	•							
ORGANOCHLORING PESTICIDES/PCB.	SACE.		;		;		•	
Mpra-Bric	Ž.		<u></u>		≨ ≨		9:	XX)(0.5)
server BUC disdood	1	(AS)(1) (C)	£ 2	11 (000)	5 3			111/000
delta - BHC		23 (1)(588)	5 ≴	2.8 (1)(558)	≨ ≨	240	23 11	24 (1)(588
Heprachion	3	23 UJ(SSR)	Ź	28 (1)(558)	ź	240	230	24 UJSS
Aidrin	\$	24 UJ(SSR)	≨	29 UJ(SSR)	≨	U 2.5 U	240	26 UJ(SSR
Heptachlor Eponide	ş	2.1 UJ(SSR)	ž	26 UJ(SSR)	≨ ∶	230	22 U	23 UJ(SSR
Endosulfan-I	Ž.	21 UJ(SSR)	≨:	26 (1)(558)	≨:	230	77 C	2.3 UJ(SSR)
Delana 1. Dog	3	21 CJ(SSK)	X :	25 UJ(88)	\$ 3	077	210	XXIII 27
4 - 1000	Ž	(388)(1) (7	\$ \$	2.01(000)	\$ *	77	7	(Mass) [1 F 1
Productifien. II		77 11(50)	₹ 2	1111000	2	= 60	186	
CC-DDD		23 UJ(SSR)	ź	2.8 (1)(558)	Ź	240	230	24 UJ (SSR
Endrin Aldehyde	Š	27 UJ(SSR)	ž	33 (1)(SSR)	ž	29 U		29 UJ(SSR
Endosultan Sulfate	Ž	28 UJ(SSR)	ž	3.4 UJ(SSR)	ž	300	767	3.0 UJ(SSR
Kr-DDT	15%	6.7 UJ(SSR)	ž	&3 UJ(SSR)	≨:	72.0	7.0 U	73.03(50
Methanychlor	Ž.	84 UJ(SSR)	ž:	ide UJ(SSR)	≨:	0.00	U 14	9-1 UXSSR
Character	Ž:	17.0 CJ(SSK)	£ 2	21.0 UJ(SSK)	≨ 2	1800	17.00	MC UJ(MC
Arcelor - 1016		(ARC) (C) (ARC)	5 ₹	(ASS)(1) (ASS)	2	1022		SOUTH OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE P
Araclar - 1221	2	84.0 UJ(SSR)	ž	1000 (1)(588)	ž	100	0.078	91.0 UKSSR
Arcelor - 1232	Ž	84.0 UJ(SSR)	ž	100.0 UJ(SSR.)	ž	D 006	U 0.78	91.0 UJ(SSR
Arcelor - 1242	ş	84.0 UJ(SSR.)	ž	100.0 UJ(SSR)	ş	940 U	0.078	91.0 UJ(SSR
Aroclor - 1248	\$	67.0 UJ(SSR)	Ź	83.0 UJ(SSR)	ş	720 U	700%	ASSXU O.C.
Aroclor - 1254 Hg/g	Š	42.0 UJ(SSR)	¥	52.0 UJ(SSR)	Ş	45.0 U	O 07+	44.0 UJ(SSR
rocka-1260	ne/re	X CONTROL	ž	41.9 UJ(SSR)	≨	20%		X O LINCO

D - compoundatement was also detected in the associated fleid blank.

Re - field replicate relative percent differences (RPDs) outside control limbs

HT - started enables bettered in the associated fleid blank.

Re - field replicate relative percent differences (RPDs) outside control limbs

1 - estimated value

MB - compoundatement was also detected in the associated isboratory method blank.

N - and anabyzed

NA - not anabyzed

NA - not anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anabyzed

NA - most anab

E-34

Table B.-9. Data Presentation: Site 3 -Hazardous Waste Collection Area -- Groundwater Samples (1990)
122nd Tactical Fighter Wing, Indiana Air National Guard,
Pt. Warne, Indiana

PARTY - 01	90024902	FB-01, -02, -03	TB-10 EW-04-07-08	10		1.00 U	6.30 J(B)	282	13.00 U	22 60 J (B)	1196.0	12.00 U	3.00 UW	180	24.00 J(PB)		2 5		10 C	5 U(18)		36	200	os Os	De ş	52	ב ה ק	220	D\$	ns S	D 5	25.		2 2	מפ	220	S S S	200	D 201		5 3	2	9 9. 9 D D) <u>1</u>	28	Š.
Pt. Wayne, Indiana			Units	To Be		¥	1	₹ ₹	Ş	1		Ę	Ž.		15	SQN	1	1	4		1	₹.	įį	1	Ę	1 1	1	įį	3	1	7	3	₹. ₹.	1 2	4	1		1	1	Į.	1 4	\$		3	3	3
SATC ID Number	Laboratory Sample Number	Associated Field QC Samples	Parameter	Total Petroleum Hydrocarbons	METALS	Artimony	Arrenic	Cadmium	Chromium	Copper	Mercury	Nickel	Selentum		Zinc	VOLATILE ORGANIC COMPOUNDS	Goodsthan	Vinyl Chloride	Chloroethane	Acatona Acatona	Carbon Disulfide	1,1—Dichkroethene	1,1 - Dicherosthane 1,2 - Dicherosthene (retal)	Chloroform	1,2—Dichloroethane 2—Rutanone	1,1,1—Trichicroethane	Carbon Tetrachloride	Vinys receive Bromodichlor omethene	1,2-Dichloropropane	Trichlaroathene	Dibromochioromethane 1.1.2Trichloroathane	Benzene		2-Heranone	Tetrachicroethene	Tolvene	Chlorobe mene Ethylbenzene	Syrene	Total Xylenes 2—Chloroethal Viral Biber	9	Acreen	-	1,2,3 — Irichoropropane 1,4 — Dichlorobutane	Bithyl Methacrylate Trichlorofluorymethece	Dictionalfluoromethane	INC. 1888

Table B.-9. Data Presentation: Site 3 -Hazardous Waste Collection Area -- Orosadwaler Samples (1990)
122nd Tactical Fighter Wing, Indiana Air National Guard,
Ft. Wayne, Indiana (Continued)

8	10-2007	FB-01,-62,-63	EW-04,-67,-08		2 2	D 92		2 2	25	n:	2 5	12	25	2 2	D :		2 2 2 2	Ξ		28	_	= =		=	= :	5 E 5	22	2:	22	21	:: ₹ \$	200	2:															22				_
Pt. Wayne, Indiana (Continu		. 3	Unks	UNICCOMPOUNDS	1	1	4		Ę			and the same	1	11	3		194 194	3			1	7		1	1			1	1	Į.		3	-	the state			3			2		Į.			3			1	₹.			76
1	SAIC ID Number Leboratory Semple Number	Associated Field QC Sample	Parameter Units	SEMINOLATILE ORCA	there bla(2-Chlaroethat)ether	derophenol	3 3	1,4~Uncaparocenaene Benavi Alcohol	1,2-Diethorobenzene	2-Methylphenol	4-Methylobenol	N-Nitroso-di-N-propyl	Henethlorosthane	hopborose	2-Nitrophenol	2,4-Dimethylphenol	bla(2—Chlorothany)metha	2.4-Dichlorophenol	1,2,4—Tricklorobenzene	4-Oldrosolline	Heracklorobutadiene	4-Charo-3-methylphen	Hemethoroactoness adless	2,4,6-Trichlorophenal	24.5 - Trietskorophenol	2-Witnessiline	Dimethyl Phehalate	Accomplishment	3-Nitrospitine	Acementations	4-Limitrophenol	Dibersohran	2.4-Dinkrotoluene	4-Charophenyi - phenyi Eth	Plucrene	46-Dintro-2-Beliefeb	N-Nitrosodiphenylemine	4-Brosophenyl -phenyl E. Henchlombensene	Pertachiorophenol	Phenothrepe	6-N-Butybotthelace	Plucranthene	Pyrene	3.3 - Dictricrobe naidine	(e)	Chyese	A - N - Ord Printer	Benac(b)Ducranthene	Benso(k) fluoranthene	Indentity 3 Commence	Dibertac(a,b)serthracene	Denac(g.b.) perylene

Table E-9. Data Presentation: Site 3 - Hazardous Waste Collection Area - Groundwater Samples (1996) 122 nd Tactical Fighter Wing, Indiana Air National Guard,

inued)	20677006	FB-01,-02,-03	EW-64,-07,-06		3) D	200	200) :: ?: 5	28	D 95	2 E	2	30.0	⊃: S:	⊃ :: ₹ \$: S	0.05) S	? 5	3	25	? ₹		4.05 UJ(SSR.)	a.es UJ(SSR)	6.65 (U.S.R.)	0.05 (Max.)	aes UJ(SSR)	4.05 UJ(SSK)	4.16 UJ(SSR)	G. 10 UJ(SSR.)	6.10 UJ(35K)	4.16 UJ(SSR.)	0.10 UJ(SSR)	C. 10 US(SEK)	0.25 UJ(SSR)	a.d. (U)(SSR)	2.00 (11/59R)	250 UJ(95R)	2.50 UJ(SSR)	2.00 (1)(SSE)	1.30 UJ(95R)	1.00 UJ(SSR)	then the instrument Detection ection (Imb(CRDI)	ated field blank				To the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the	acod trip blank	c Absorption (GPAA) analysis	THE CHARLES GROWN CONTINUES IN THE CALLS OF THE	
Pt. Wayne, Indiana (Continued)			Units	CCOMPOUNDS	ueA.		1	3			\$				1			1	1		3	cene			ς -	3	1	1	1			1			1			3 .			\$		3	Test.	sated because K is grouter a Contract Required Det	relement was also detected in the amociated field	į			ary outside control limits schided in enabels but an	8	4		
Pt. W.	Laboratory Sample Number	Associated Field QC Samples	Parameter Units	SEMINOLATTLE ORGANI	N-Nitrondinethylamine	2-Picoline	Methyl Methamenulfonate	Ethyl Methanenifonate	Actorbeons	N-Nitrospiperidine	Directlylphenetlylamine	N-Mission A-N-handesin	•	1-Chloronaphthalene	Pertachlorobenzene	1 - Naphrbylamine	1.2-Diobeneilardrazine		4 Aminobipbenyl	Renzidire	p-Dimethylaminoszobenzene	7,12-Dimethytbenzo(a)anthra	3-metayonamarene TIC Total	Sacionada anta de misconto de	alpha-BHC	beta-BHC	gamma — BHC (Lindane)	Heptachor	,	Heptachlor Eponide Redomifica	Dietarin	44-DDE	Bodraisfan∏	44-DDD	Botrin Aldehyde	44-DDT	Methorsehior	Chlordane	Arcelor - 1016	Arodor -1221	Arcelor - 1232	Arcelor - 1245	Arcelor-1254	Arcdor-1260	B = the reported value is estimated because the contract is	FB - compound/element was	J CRIMING VAING	Ļ	R - rejected value	National Section of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of t	- compound/element w	W - post -dipestion spike for Grapt		

Table E-10. Data Presentation: Site 3 - Hazardous Waste Collection Area - Soil Samples (1991)

Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colo	SAIC ID Number		SB3-1-1 SB3-1-6 SB3-1-9 SB3-2-1	SB3-1-6	SB3-1-9	SB3-2-1	SB3-2-2
Complete			13109, 13114	13175, 13183	13109, 13114	13174, 13182	13173, 13181
Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocateboas Thirdrocat	Associated Field OC Samples		FB4-1	FB4-1	FB4-1	FB4-1	FB4-1
Producestrons	•		TB10-30-91	TB10-31-91	TB10-31-91	TB10-31-91	TB10-31-91
## Processions mights 7700 50U 50U 50U 50U 50U 50U 50U 50U 50U 5	Parameter	Cnits	FB3-1,4-1	FB3-1,4-1	FB3-1,4-1	FB3-1,4-1	FB3-1,4-1
Mark	Oil And Grease Total Petroleum Hydrocarbons	mg/kg mg/kg	7300 7700	20 S C C	20 SS	D 88	2 S
Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market M		1					
The contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract	INORGANICS	a de	CMALL OF	A THOM	(M/M)		
The color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the	Arsenic	mg/kg mo/ke	3.8 U3(I4) 12.8 J(N)	S.1 J(N)	5.9 (N) 5.9 J(N)	4.8 J(N)	3.9 I/N)
18.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB) 15.1(FB)	Beryllium	mg/kg	0.34 J(B)	0.56 J(B)	024 J(B)	0.58 J(B)	0.81 J(B)
10	Cadmium	mg/kg	1.8 J(FB)	2 J(FB)	1.5 J(FB)	2 J(FB)	2.7
	Chromium	mg/kg	7.6	18.3	6.5	15.3	23.1
Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market M	Copper	mg/kg	29.5	23.9	18	18.1	24.3
	Lead	mg/kg	11.3 R(N)	8.5 R(N)	S.8 R(N)	13.5 R(N)	3.6 R(N)
Markey Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Col	Mercury	mg/kg	0.06 U	0.06 U	0.06 U 26 U 27	0.06 U	0.06 U
### 10 10 10 10 10 10 10 1		mg/kg	24.1	31.9		21.9	¥.04
### 10 (23 U/(4)) 0.33 U/(4)) 0.32 U/(4)) ### 11	Science	Ing/Kg	021 UJ(N)	(N)TO 673		(N)(N) 0.23 UJ(N)	(N)(N)
### 10	Theffina	S T T	0.49 U	0.32 U		0.32 U	0.30 0
DRGANICS (SOW 3/90) PROTANICS (SOW 3/90) PROTANICS (SOW 3/90) PROTANICS (SOW 3/90) PROTECTION 111	Zinc	E SA SE	75.7	63.1		61.4	642 642
10 12 11 10 15 10 10 10 10 10	VOLATII R OBGANICS (SO	100/2 /					
11 12 11 11 12 11 11 12 11 11 12 13 13	Chloromethane	we/ke	11 U	12 U	11 0		200
11 12 13 15 15 15 15 15 15 15	Bromomethane	ne/ke	n II	12 U	0 11		חוו
right 11 U 12 U 11 U 12 U 11 U 15 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U <t< th=""><td>Vinyl Chloride</td><th>He/kg</th><td>חוו</td><td>12 U</td><td>מו</td><td>19.0</td><td>חום</td></t<>	Vinyl Chloride	He/kg	חוו	12 U	מו	19.0	חום
oride	Chloroethane	#6/kg	11 0	12 U	n n	10 U	110
thene	Methylene Chloride	HEYKE	n 9	Ω9	n,	o s	Ω9
	Acetone	mg/kg) !! 	12 U); ;	25); (
thane (Total)	Carcon Dawlide	HE/KB	2;); •); •));
thene (Total)	1,1 - Dichloroethene	A SAC	2 4	2 2	0 5	25	9 4
thane	12-Dichloroethere (Total)		2 5	2 4	2 4	2.5	2
thane	Chloroform	is/ke	2.9	29	2 3	20,5	29
11 12 11 11 12 11 12 13 14 15 15 15 15 15 15 15	1.2-Dichloroethane	Me/Ke	29	29	0.9	200	Ω9
octhane µg/kg 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U	2-Butanone	Fore	11 U	12 U	11 0	10 U	חמ
Moride	1,1,1-Trichloroethane	HEYE	Ω9	0.9	Ω9	S U	Ω9
Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation Designation	Carbon Tetrachloride	FEAS	n 9	n 9))	SU	09
Popular	Bromodichloromethane	HE/KE); (); 9	D ;	S.C); (
Motoproper Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market	1,2—Denoropropane	FERE	2 4	2 4	25		
Machane	Trichloroethene	See of the see	2 9		2 9		
sethane Market 6 U 6 U 6 U 6 U 6 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 6 U 6 U 6 U 6 U 6 U 6 U 6 U 6 U 6 U 6 U 6 U 6 U 6 U 6 U 6 U 6 U 6 U 6 U	Dibromochloromethane	e Ve	Ω9	19	29	20	119
Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest Highest High	1,1,2-Trichloroethane	HE/KE	0.9	n 9	29	os S	29
Moropropene µg/kg 6U 6U 6U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U 5U	Benzene	He/Kg	Ω9	0.9	Ω9	SU	Ω9
Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pentanone Pent	tram-1,3-Dichloropropene	HEAR	Ω9	Ω9	Ω9	SU	Ω9
Pentanone Perka 11 U 12 U 11 U 10	Bromoform	HEARE	0 9	29	0.9	s o	n 9
tene	4-Methyl-2-pentanone	HEYE	בו בו	12 U	ב ב	20	2
hidrocethane	2-Hexanone	E A) ii	12.0	0 II C	0 OI) ii
######################################	1 1 2 2 - Tetrachlorogebane		2 4	2 4	2 5	2 5	0.4
HEAT 60 0 00 0 00 00 00 00 00 00 00 00 00 00	Tolugae	200		2 4		2 5	
HE/RE 6U 6U 6U 6U 5 HE/RE 6U 6U 6U 6U 5 HE/RE 6U 6U 6U 6U 5	Chlorobenzene		29	29	2	2.0	29
Hefte 6U 6U 6U 6U 5 Hefte 6U 6U 6U 5 Hefte 0(0) 0(0) 0(0) 0	Ethylbenzene	He/Kg	Ω9	Ω9	Ω9	N S	Ω9
μεγκε 6 U 6 U 6 U 5 μεγκε 0 (0) 0 (0) 0 (0) 0	Styrene	F/Kg	Ω9	Ω9	Ω9	S U	Ω9
Hg/kg 0 (0) 0 (0) 0 (0) 0	Xylene(Total)	mg/kg	Ω9	Ω9	29	s o	n 9
	TICTotal	Hg/kg	(O) O	000	(O) 0	(e) 0	(9)

Table E-10. Data Presentation: Site 3 - Hazardous Waste Collection Area - Soil Samples (1991) 122nd Tactical Fighter Wing. Indiana Air National Guard. Ft. Wayne. Indiana (Continued)

- 1	ol Fighter Wing	Indiana Air	National Guard	Ft. Wayne, Ind	122" Tactical Fighter Wing, Indiana Air National Guard, Ft. Wayne, Indiana (Continued)	ļ
SAIC ID Number	SBS	SB3-1-1	SB3-1-6	SB3-1-9	SB3-2-1	
Laboratory Sample Number Accordated Field Of Samples	13109,	13109, 13114 FR4-1	13175, 13183 FRA-1	13176, 13184 PB4-1	13174, 13182 PB4_1	13173, 13181 PB4
	TB10-30-91	16-0E	TB10-31-91	TB10-31-91	TB10-31-91	TB10-31-91
Parameter		1,4-1	EB3-1, 4-1	EB3-1.4-1	EB3-1.4-1	EB3-1, 4-1
SEMIVOLATILE ORGANICS (SOW 3/90)	_	i i				
Phenol	Hg/kg	360 UJ(EHT)	390 U	370 U	340 U	370 U
bis(2-Chloroethyl)ether	Hg/kg	360 UJ(EHT)	300 C	370 U	⊃ 98	370 U
2-Chlorophenol	Hg/kg	360 UJ(EHT)	300 C	370 U	340 0	370 U
1,5 - Dicklorobelizene	HEVK.	26 CJ(EHT)	2000	280		370 U
12. Dichloroberrene	#24g	360 C2(ER1)	200	3/0 0		2000
2-Methylphenol		SE CENTY	36.0	270 1		270 11
22'-oxybis(1-Chloropropane)	a yan	360 UJ(EHT)	11 066	11028		3365
4-Methybead	ue/ke	360 UJ(EHT)	380	370 17	2 2	3000
N-Nitrogo-di-N-propylamine	HE/KE	360 UJ(EHT)		370 U	3.05	370 11
Herachloroethane	HS/Kg	360 UJ(EHT)	390	370 U	340	370 C
Nitrobenzene	HEAR	360 UJ(EHT)	380	370 U	340 C	370 U
Isophorone	HE/KB	360 UJ(EHT)	380	370 U	340 €	370 U
2-Nitrophenol	Hg/kg	360 UJ(EHT)		370 U	340 C	370 U
2,4-Dimethylphenol	Hg/kg	360 UJ(EHT)		370 U	⊃0% 340 C	370 U
bis(2-Chloroethoxy)methane	SASH HEVE	360 UJ(EHT)		370 U	⊃ 0¥6	370 U
2,4 - Dichlorophenol	#g/kg	360 UJ(EHT)		370 U	⊃ 9 8 0	370 U
1,2,4 Trichlorobenzene	HB/KB	360 UJ(EHT)		370 0	360	370 U
Napatealene	HE/KB	360 UJ(EHT)	3000	370 U	200	370 U
Transfer and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	HØK8	360 UJ(EHI)		3200		370 0
A. Chica - 2	HOKE	360 UJ(EHI)		200	2 :	3.00
Herechlorocyclonestsdiene		SO CERT)		2000	200	200.5
2.4.6-Trichlorophenol	me/kg	360 UJ(EHT)		370 17		370 1
2-Methylnaphthalene	Mg/kg	360 UJ(EHT)	380	370 U	340 C	370 U
2,4,5-Trichloorophenol	HE/KB	1800 UJ(EHT)		1800 U	1700 U	1800 U
2-Chloronaphthalene	Hg/kg	360 UJ(EHT)	330 U	370 U	340 U	370 U
2-Nitrospiline	HEYE	1800 UJ(EHT)	D 0061	1800 U	1700 U	D 0081
Dimethyl phthalate	HB/KB	360 UJ(EHT)	330	370	340 C	3300
Acenaphthylene	#8/kg	360 UJ(EHT)	380	370 U	340 1	370 U
2,0-Dinitololuene	HS/Kg	360 UJ(EHT)	∩ 06E	370 U	0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 :	3300
Acessabilian	ESTE STE	260 UJ(ERI)	2006			2000
2.4 - Dinitrophenol	no/ke	1800 (U/EHT)	1 000	1800	100%	2008
4-Nitrophenol	HR/RR	1800 UJ(EHT)	1900	1800 C	1700 U	1800 U
Dibenzofuran	HEVE	360 UJ(EHT)	390 U	370 U	340 C	370 U
2,4-Dinitrotoluene	HEVE	360 UJ(EHT)	330 C	370 U	340 C	370 U
Diethyl phthalate	HØKB	360 UJ(EHT)	380	370 U	340 C	370 U
Electrical party ciner	FEX 6	260 UJ(EH1)	D 26 €	320		370 U
4 - Narosanias	# PA PA	1800 UN(EHT)	1000	380	1 000	3/00
4.6-Distro-2-methylphesol	94.6	1800 CITCHEN				
N-Nitrocodiphenylamine (1)	HE/KE	360 UJ(EHT)	3800	3300	200	370 U
4-Bromophenyl phenyl ether	#g/kg	360 UJ(EHT)	390 C	370 U	340 C	376 U
Hexachlorobenzene	HEVE	360 UJ(EHT)	390 U	370 U	340 C	370 U
Pentachlorophenol	#P/s		1900 U	1800 U	1700 U	1800 U
Phenanthrene	FØ.	360 UJ(EHT)	390 C	370 U	320	370 U
Authracene	16/4 1	360 UJ(EHT)	380	330	2000	3300
Cardazore	FOXE	360 CJ(EHI)	⊃ : 26 26 27	320		26
		360 UJ(EHI)	⊃ :: 266 66	380)
		W (1111)	2 5	> 25	3	2 2 2

Table B-10. Data Presentation: Site 3 - Hazardous Waste Collection Area - Soil Samples (1991) 122nd Tactical Fighter Wing, Indiana Air National Guard, Ft. Wayne, Indiana (Continued)

13176, 13184 13174, 13182 13173, 13182 13173, 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1 13184-1							
	Laboratory Samule Number		12100 12114	12176 12102	70101 70101	COO	7-7-636
	A THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE		13107, 13114	13173, 13183	13176, 13184	13174, 13182	13173, 13181
	Associated Field OC Samples		FB4-1	FB4-1	7B4-1	FB4-1	PR4-1
			TB10-30-91	TB10-31-91	TB10-31-91	TB10-31-01	TR10-31-01
	Parameter	Units		EB3-1, 4-1	EB3-1 4-1	F.R3-1 4-1	HB2-1 4-1
	SEMIVOLATILE ORGANIC	(06/E /AOS) S					1 4 1
	Pyrene	ue/ke	360 UJ/RHTD	390 11	170 11	3	11 056
		-	T. 1076	11 002		3	00/6
	2.25 - 10.25 - 10.25		See Colemi)	286	0 0/5	0 075	370 U
	3,3 - Licinoroceizique	MG/Kg	360 CJ(EHT)	386	320 C	340 C	370 []
		Mg/kg	360 UJ(EHT)	390 U	370 11	95	11 962
	Chrysene	ue/ke	WO UNEHT	1005	11 00.2	240 11	
	dher	9	2400 I/EITE	11 600		3	200
	H N Out a total	20.	2400 3(EH1)	386	3200	7407	370 U
	G-N-Cay principle	HE/KE	360 UJ(EHT)	380	370 U	340 U	11 022
	Benzo(b)fluoranthene	ue/kg	360 UJÆHT	300 13	17075	5	
	Benzo(k)fluoranthene	a Voit	240 III/BUT	200			200
	D	•	(LEG1)	O PKS	250		370 0
	penzo(a)pyrene	E K	360 UJ(EHT)	388	3200	360	370 U
	Indeno(1,2,3-cd)pyrene	Mg/kg	360 UJ(EHT)	300 C	370 U	3	11 022
	Dibenzo(a,h)anthracene	Mg/Kg	360 UJÆHTÍ	390 1	430 11	25.5	
	Benzo(g.h.i)nerviene	110/60	340 III(BUT)	200 11	3 9 6 7		2000
	TO Take	9.	(1 Ha) 60 000	O Re	200		
	10.10	W.S.	6720 (11)	4000 (16)	11070 (20)	34640 (20)	28410 (20)
EHT — extraction holding time outside control limits FB — compound/element was also detected in the associated field blank J — estimated value N — spiked sample recovery outside of control limits NA — not analyzed R — rejected value U — common and value	D - the reported value is estimated to the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section	1 because it is g	reater than the Ingrument	Detection Limit (II	OL), but less than the	Contract Required I	Actection
Fig. 1. Control for the cutsion control limits F. H. Compound defendent was also detected in the associated field blank J. estimated value N. spiked sample recovery outside of control limits N. spiked sample recovery outside of control limits N. rejected value U. control was included in analyzing	HUT - outresite helding time	11.0					
FB — compoundelement was also detected in the associated field blank J — estimated value N — spiked sample recovery outside of coatrol limits NA — not analyzed R — rejected value U — compoundelement was included in analyzed	CALL CALLECTION HOLDING LIME OF		25.5				
J - estimated value N - spiked sample recovery outside of control limits NA - not analyzed R - rejected value U - control object was included in analyzed U - control object was included in analyzed	rs - compound/element was also	detected in the	associated field blank				
N - spiked sample recovery outside of control limits NA - not analyzed R - rejected value U - control delement was included in analyzed	J - estimated value						
NA — set analyzed R — rejected value U — compound(element was included in analyze is but was not detected.)	N - spiked sample recovery outsid	e of control lim	<u> </u>				
R - rejected value U - commonund/element was included in another is but was not determined.	NA - not analyzed		1				
U commonwide/generat was included in another is that was not determined.	R - painting under						
U compound/element was included in another this was not determined	יי ובלמיונה אשונה						
	U ~ compound/element was included	led in analysis 1	unt was and detertant				

Table B-11. Data Presentation: Site 3 —
Hazardous Waste Collection Area — Groundwater Samples (1991)
122nd Tactical Fighter Wing, Indiana Air National Guard,
Ft. Wayne, Indiana

	Ft. Wayne, Indiana	diana	Mun oth
		10-74W	73671 710-7MW
Laboratory Sample Number		14333	14330
Associated Field QC Samples	•	ris2-1	r62-1
		16-0-1191	16-0-1191
raranda	Cans		EB2-1
Oil And Greate Total Petroleum Hudrocerbone		2 =	
		•	2
INORGANICS	1		
Astimosy	To T	(X) (X)	
Arsenic	TOT	24.8	23.3
Beryllium		1.8 J(B)	(8)f S.1
		9	- S
Carobium	1	2 2	7 67
l sead		74	<u> </u>
Mercury		02 U	02 U
Nicke	1	76.8	68.4
Selenium	1		1 W(N)
Säver	Į,	2 UJ(N)	7
Thallium	787	MO 1 2.	1 UW
2487	184		9
VOLATILE ORGANICS (SOW 3/90)	V 3/90)		
Chloromethane	F.	D 01	
Bromomethane	7	D 91	D :
Viny Chloride		2 5	2 :
Mathidane Obloside			
Acetone		0.01	10 U
Carbon Disulfide	1	SU	S U
1,1 - Dichloroethene	Hg/L	SU	SU
1,1 - Dichloroethane	Total	o :	D :
1,2—Dichloroethene (Total)		2 5	25
1.2—Dichloroethane	1/611		2.5
2-Butanone	J J	0 OC	200
1,1,1-Trichloroethane	7/84	S U	S U
Carbon Tetrachloride	1, 9 1,	2.5) :
52 - Pari prometane		2 5)
cis - 1.3 - Dichloropene		2 2	2.5
Trichloroethene	19	SU	S U
Dibromochloromethane	To.		5
1,1,2—Trichloroethane	7	2:	25
Benzene Press - 12 - Parlices acces	1		2 5
Bromoform			22
4-Methyl-2-nentanone			2 01
2-Hermone	1	0 00	200
Tetrachloroethene	1	S U	ΩS
1,1,22-Tetrachloroethane	H.) (0 S
Toluene	19		205
Chlorobenzene	3 5	25)
System		200	2 2
Xylene(Total)	1	o s	SC
TIC Total	T T	(e) •	0)0

Table B-11. Data Presentation: Site 3 Hazardous Waste Collection Area - Groundwater Samples (1991)
122nd Tactical Fighter Wing, Indiana Air National Guard,
Ft. Wayne, Indiana (Continued)

FI. W	, rodiana	ayne, Indiana (Continued)	
		MW2-01	MW2-01R
Laboratory Sample Number		14355	14356
Associated Field QC Samples		FB2-1	FB21
	4	TB11-6-91	TB11-6-91
SKMIWOI ATTI R ORGANICS (SOW	(06/2/30)	CD4-1	1-7G2
Phenol	He'L	10 U	10 U
bis(2-Chloroethyl)ether	HO!	D 01	D 01
2-Chlorophenol	He L		10 C
1,3 - Dichlorobenzene	FOL		
1,4 - Dichlorobenzene	1		
1,2 - Lichiorobenzone 2 - Mathidatoria	1 5	25	
2.2" enthin(1-Chloropopese)			
4-Methybeaol	1		
N-Nitroto-di-N-propylamine	1	_	
Hexichloroethane	Ę		10 U
Nitrobenzene	10		
Isophorone	3	2:	2:
2 A - Dinehalphan		2 5	
bis(2-Chloroethory)methane			
2,4 - Dichlorophen of	101	10 01	201
1,2,4-Trichlorobenzene	HØ1	D 01	
Naphthalene	181		D 01
4-Chlorosailine	16 /1		
Hetachlorobutadene	7	2:	2:
Carrollonal Jones Jim		25	2 5
2.4.6.—Trichlorophenol			
2-Methylasobibalese			
2,4.5-Trichlorophenol	1		2 8 8
2-Chloronaphthalene	7	200	D 01
2-Niroangine	7		nos
Dimethyl phthalate	Į,		D :
Accaphibytene	3 5	2 5	25
A-Nitronalise			
Acenaphthene	19		200
2,4-Dinitrophenol	Ę	⊃ 0S	D 0%
4 - Nitrophenol	F		
Diberzofaran 24 Militari	3	2:	2 :
Diethyl phthalate			200
4-Chloropheny pheny ether	1		
Fluorene	19		10 U
トーンボアの名は場合の	7		
4,6-Dinitro-2-methyphenol	3		
A - Researched there a the	1	2 5	
Herschlorchensene			
Pentachlorophesol			
Phenanthrene	7		100
Anthracene	Ž		
Carbazole	1		
G-N-Buty phthalate		25	25
ri not saturene) 	2	

Table E-11. Data Presentation: Site 3 — Hazardous Waste Collection Area — Groundwater Samples (1991) 122nd Tactical Fighter Wing, Indiana Air National Guard, Ft. Wayne. Indiana (Continued)

WALCHE NEEDER		MW2-01	MW2-01R
Laboratory Sample Number		14355	14356
Associated Pield QC Samples		FB2-1	PB2-1
•	L	TB11-6-91	TB11-6-91
Parameter	Units	EB2-1	EB2-1
SBMI VOLATILE ORGANICS (SOW 399)	(SOW 3/90)		
(Continued)	•		
Pyrene	H#/L	D 02	10 U
Butylbenzylphthalate	T/en	10 OI	D 01
3,3'-Dichlorobenzidine	T/Gen	10 C	10 01
Benzo(a)anthracene	T/an	D 91	100
Chrysene	T/an	D 01	200
bis (2 - Ethylacryl) phthalate	T T	10 U	D 01
di-N-Octyl phthalate	7/84	10 OI	10 C
Benzo(b)fluoranthene	T/an	10 U	10 U
Benzo(k)fluoranthen:	T/am	10 U	10 U
Benzo(a)pyrene	1/01	D 01	10 U
Indeno(1,2,3-cd)pyrene	HOL	D 01	D 01
Dibenzo(a,h)anthracene	T/MH	10 C	D 01
Benzo(g,h,i)perylene	Ī	2000	10 U
10.101	7		

B—the reported value is estimated because it is greater than the Instrument Detection Limit (IDL), but less than the Contract Required Detection Limit(CRDL)

J—estimated value

MB—compound/element was also detected in the associated laboratory method blank

MB—compound/element was lacluded in analysis, but was not detected

U—compound/element was included in analysis, but was not detected

W—post—digestion spike for Graphiae Purnace Alonic Alsorption (GPAA) analysis is out of control limits (85—115%), while sample absorbance is less than 50% of the spike absorbance

Colored Company Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Co	The control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co			-01-01 SB4-01-01 SB4-01-	20-10-105	SE4-42-01	SB4-02-02	SB4-05-01	SB4-00-02	SE4-64-01	SB4-04-02
Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Cont	### Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Co			90022304	90022305	90022306	90022307	90022308	90022309	91022306	90022311
Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Cont	Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column C	sociated Field QC Samples		FB-01, -02	FB01, -02	PB-01,02	FB~01, -02	FB-01,-02	FB-01,-62	FB-01, -62	- 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 10 - 61 - 61 - 61 - 61 - 61 - 61 - 61 - 61
Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Cont	### 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 199 19	California	Units	EW-63-64	20-10-WE	29-76-53-	3- 15- 10-	8-18-8-	EW-63-64-65	EW-4544-65	8
Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Cont	Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Cont	tal Petroleum Hydrocarbons	3/20	10 UX(HT)	(THT)	1500 X(HT)	to DJ(HT)	(TH), 622	(AH)(O 01	10 UX(HT)	TH)XO 91
		STALS									
### Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Co	### CONTROLLED TO THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF	timony		0.12 R(N)	6.11 R(N)	0.12 R(N)	Q 12 R(N)	A 11 R(N)	4.12 R(N)	6.10 R(N)	R. S. S. S. S. S. S. S. S. S. S. S. S. S.
Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colo	Column		21	(Z); (A); -	11.10 J(N)	(N) (N)	(N) (S)	(Z) (Z) (Z) (Z) (Z) (Z) (Z) (Z) (Z) (Z)	11.40 J(X)	10.80 J(N)	
Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract C	Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Com	denium		0.36 J/MB.B)		0.36 J/MR.B)	0.24 JOMB B)	Q 45 JYMB B)	0.23 U	621 JAM.B)	E-# JVA
Comparison		romium	20	2.70		21.60	22.30	25.30	26.30	13.10	14.98
	Comparison	bec	2	24.80	ฆ.	88	23.60	8. 31 8. 31	88	16.80	31.30
The control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	10 10 10 10 10 10 10 10			1410(3)		() R ()	16.50 (.)	13.65 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64 (3.64	C 25	3 3	# # # # # # # # # # # # # # # # # # #
Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Cont	Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Cont	10 m		1.20 JAMES	2 T	2 2	3 25	5 2	\$ \$	25 VA	
### 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20 1-20	### 120 (120 (120 (120 (120 (120 (120 (120	enium		639 J(B)	3	624 CW	4.23 UW	0.36 J(B)	4.22 U	0.65 J(B)	4.52 J/PB
### COCKANTCOOMPONING ### 120,97(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,547(9) 6,5	### 120 ACCALANCE COMPONERS	ŧ	3	1.30 U	8	1.30 U	1.30 U	1.20 U	1.30 U	110 U	1100
			3 3	0.49 J(B) 22.00 J(FB)	ÇR.	6.28 J(B) 64.00 J(FB)	• 66.80 J(FB)	0.22 U 77.10 J(FB)	67.60 J(FB)	6.24 UW 51.20 J(FB)	625 UV
		CONTRACTOR AND A VIEW COMMAN	MINE								
		CONTROL CANADA COMITO	e de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della comp	2	**	*2	2	***	47	***	2
		anomal hane		\$ *	£ \$	\$ \$	\$ \$	\$ *	£ 2	£ ±	§ §
		A Charide		ž	Ž	ź	ź	*	ž	NA.	₹ 2
		croet hane	Ą	ž	ž	ź	ş	Ź	Ź	Ş	. ≨
		thylene Chloride	154	¥	ž	Ź	¥	ş	Ź	ş	Ş
		tone	15	ş	ş	≨	ş	ş	ž	ž	≨
		bon Disulfide	16 A	≨	ž	¥	¥	≨	Ź	ş	Ź
		-Dictionosthene	ş	≨:	¥:	≨:	≨:	≨:	≨:	Ž	≨:
		-Dictionoethane	1	≨:	ž	≨:	≨:	≨:	≨:	ž	≨:
		-Dictionosthene (total)	7	≨:	ž	≨:	≨:	≨:	≨ ;	Ź:	ž
		Oroforta Distriction	2	≨ ≥	ž	≨ }	Ź	≨ ≩	≨ 3	ž;	≨:
		Professional State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State	1	€ ≱	€ *	≨ ≱	E 2	ξ 2	€ ≱	£ 2	£ 3
		1-Trichlorosthane		₹ ≨	<u> </u>	≨ ≱	₹	ξ≨	₹ 2	≨ ≨	<u> </u>
		bon Tetrachloride	į	ž	×	ž	≨	ž	¥	≨	ş
		y Acaste	Ž	≨	¥	¥	¥	ş	£	Ş	×
		racdicts or onethane	Ž	Ź	Ź	Ź	ž	Ź	Ź	ş	Ş
		-Dictrioropropene	3	≨:	Ş	≨:	≨:	≨:	≨:	Ş	≨:
		1,3 - Dictionopropene	Ž	≨ ≥	Š	≨á	≨ }	≨ 3	≨ ;	Ş	≨ :
		ener cetations	1	ξŽ	\$ *	€≱	£ 2	£ 3	€ 3	€ ≨	E 2
		2-Trichlorosthane		Ž	, v	ž	ž	*	2	7	2
		izene	ğ	≨	ž	≨	≨	≨	Ź	≨	≨
		m-1,3-Dichloropropene	Ž	ź	¥	ź	¥	≨	Ź	ź	¥
		molorm	ž	ş	ş	≨	ž	Ş	¥.	ş	ž
		Methyl -2 - pentanone	¥.	≨:	≨:	≨:	≨:	≱:	≨:	≨:	¥:
		Heranone	Š	≨ \$	ž:	≨;	≨ ≩	≨ :	Ź	ž	≨:
		1 2. The rechlorous hans		£ 2	\$ \$	≨ ≵	€ 2	\$ \$	£ 3	€ 4 2 2	€ ≱
				₹ ₹	€ 2	≨ ≨	<u>S</u>	€ ≨	€ ≨	€ ₹	£ 2
		Grobenzene	Ž	ź	Ş	. ≨	≨		Ź	ž	ž
		ylbenzene	NA NA	ş	ž	\$	ş	ž	ž	\$	ž
		PULL	3	≨:	Ź:	£	≨:	≨:	ž	≨	ž
		al Xylenes	HEAR HEAR	≨:	≨:	≨:	≨:	≨:	ž	≨:	ž
		Children of the Virginia Color	1	\$ \$	< < 2	£ à	\$	€ 3	£ 3	\$ \$	≨ ≩
		Office		€ ≨	≨ ≨	≨	₹	≨	≨ ≨	≨ ≨	₹ ₹
		ylontrile	T T	≨	ž	ş	Ź	≨	¥	\$	≨
		romomethane	Ž	Ź	ž	ş	Ź	¥	Ź	¥	Ş
		3-Trichloropropane	15/4	ž	Ş	¥	Ź	¥	ž	Ź	ž
		Dictilorobutane	ş	≨:	≨:	≨:	≨;	ž	≨:	≨;	ž
		Methodylate	2	\$ \$	Š Š	£ 3	≨ ≨	≨ ≱	£ 3	≨ ≨	Ž 2
		cases carees and service characteristics		€ ≨	≨ ≨	€ ≨	£ ≨	€ ≨	€ ≨	≨ ≨	\$ \$

	SAIC ID Number S84-01-01	-10P8S	<u>-</u>	SB4-01-02	SB4-02-01	SB4-02-02	SB4-03-01	SB4-03-02	SB4-04-01	284-04-02
	baratary Sample Number	22006	Š	90022305	90022306	90022307	90022308	90022309	01622006	11677006
	sociated Field (XC Samples	- 18-01.	ģģ	78-01,-02	FB-01,-02 TB-05	FB-01,-02 TB-05	FB-01,-02	FB-01, -02	FB-01, -62	FB-01,-02
	Uni		ş	EW-03,-04,-05	EW-03,-04,-05	. 11	EW-03,-04,-05	EW-63,-64,-05	EW-03,-04,-05	EW-03-04,-05
	Phenol		390 U		390 U	∩ 00¥	390 U		U 604	U 664
			⊃: 88		3000	1 00 7	3006		☐ 00	200
					386 286 286 286 286 286 286 286 286 286 2				2	\$
			390 U		386	2 8	2 26		2 9	
			D 06€		390 U	∩ 00 7	200€		7 00 C	D 90#
			286		380	₽ ?	D : 06 €		D 004	D 007
			380		2 S	8 9	2006		B \$	₽ €
			3000		306	\$	3066		2 9	9
			390 €		390 U	D 00+	3066		0.00	D 954
	sane		D 06		380	D 00	300€		U 60	D 004
			2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		286	D 007	⊃ : 366 6		200	2
						8	2 5		200	\$ \$
			390 C		306	200	2006			3
			⊃ 006		1900 U	1900 U	U 0061		D 0002	D 0061
	#De) 88		200	D : 00+	⊃: 960		D 904	D 607
		,			2 E	2 5			2 : 2 :	0 2 9
Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market M			282		200	2 64	200		8 4	2 5
1,000			390 U		380	D 007	3006		0.00	2
	,		380 C		3000	D 00+	D 066		U 004	U 004
100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100			0.00		D : 05.	200	200		200	
1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,00			38.5			8			2	
1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,00			388		28.6	9	2000			
Market 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990			D 006		1900 U	1900 U	U 0061		D 0002	
Market 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900			a:		2000	D 00+	300		D 90#	264
				2007	006	0.0061	0.0061		D 9002	⊃ : 98:
1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000			200	3861	1068	9	2000			3 5
1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,00	2		200 €	350 U	390 U	D 00#	D 066		1 99	2 9
The color 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 19			⊃: 006	D 96.1	1900 U	1900t	U 0061		D 0000	D 0061
Market 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980				0 0 0 C	0.000		286		0 00	\$
Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Mari			200	13061	0.0061	2 0061	11 0001		0.0000	0 0061
Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part			300 C	350 U	390 U	□ 00+	D 06E		1 00 0	28
Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market M	¥		⊃: 88	380 C	380	D 000	2000		U 004	D 007
Market 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900	-obenyl Ether		200	3000	2 68	100	0.000		8	2 4
Market 1900 U 1700 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1			380	380 C	306	100	306		2	2
Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market M			n :	1700 U	1900 U	1900 U	D 0061		D 0002	U 0061
Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker Marker M			25	1700 C	1900 U	1900 1900 1	D 0061		D 900Z	D 0061
1,0,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,0,0 1,			206		1968	3 9	2000			
1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1900 U 1	. 4		300 €		390 €	U 004	300 €		2 604	
150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150			⊃ 906		D 0061	U 0061	1906 I		2000 U	
15 15 15 15 15 15 15 15			88		390	300	390 C		D 69	
Harter Coop			3000		3000	200	3066			
Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market Market M			3		3000	250	300 E		D 00+	
Fig. 25 700 U			200		390 0	8 9			9	
Higher 390 U 355 U 390 U 390 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400	2		28		286	200			2008	
Fight 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990	anthracene		∩ 06E		300 C	380 3	D 066		D 004	
Halfitt 390 U 350 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U <	hydhend brits halate		3 5						0.00	
Hg/kg 370 J 350 U 280 J 520 399 U 400 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 406 U 4			200				386			
MAPR 350 J 360 J 360 J 360 J 360 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J 400 J			100		280 1	23	000 000		D 909	
000			320		360	2	0 66 66 67		1 2	
1900 350 350 300 400 1000 300 400 400 400 400 400 400 400 400			, D		388	£ \$	2006		₽ ₽	
			3000		3000	D 00#	D 066		200	

	10-10-28		S84-02-01	204-02-02	10-03-03 10-03-03	SB4-03-02	10-15-150 10-15-150	3
Laboratory Sample Number	90022304	300223003	90022306	90072307	90022308	90022309	90022310	90022311
sociated Field QC Samples	FB-01,-02	FB-01, -02	FB-01,-02	FB-01,-02	FB-01,-02	FB-01,02	FB-01,-02	FB-01,-02
	60-81 80-81	8-81 8-82 8-82	8-81 8-81 8-81 8-81 8-81	8	8	1	F 3	20-12 20-13
CATILLY ORGANIC COUR	1	CW-02,-W-10	3	4 3	EW-03,-04,-05	EW-03,-04,-05	EW-03,-04,-05	EW-03,-04-60
Continued)	!							
dimethylamine		1700 U	1900 U	1900 U	J 0061	1900 U	70007	986
		1700	D 0061	1900 C	1900 U	1900 U	∩ 9007	
•		0.007.	19001	D 0061	D 0061	D 0061	2000 U	
et benesul conste	1900 E	0.00	00061	1900 U	2005	0061	D 9007	D 6861
		0.00	0.0061	0 0061	0.0061	1900	2000	
		984	200	25	200	2006	D 9007	
			0000	0.0061	0061	0000	2000	_
2		98.1	0000	0.000	0.0061	D 0061	2000	
			0.0061	19061	19061	1906I	D 9002	
ine		0.0071	D 0061	1900 1	19061	1900 U	D 000Z	
nzene		1,000	D 0061	1900	D 0061	D 0061	2000 U	8 :
•		0 92.5	0.0061	1900 U	0 0061	1900 U	2000	
•		0.00%	00061	0 0001	0 0061	U 0001	2000 C	
		1700	0.0061	U 0001	1900	1900 U	2000	
		0.000	0.0061	1906I	D 0061	1900 U	2000	
nythydrazine		1300 U	1006I	19061	1900 U	D 0061	2000 €	
		U 00/1	1906I	1900 U	1900 U	1900 U	2000 C	
ipbenyl		1700 U	1900 U	1900 U	1900 U	D 0061	2000 €	9061
		1700 U	1900 U	1900 U	1900 U	D 0061	2000 €	
	0061	1981 1981	0.0061	1900 U	⊃ 0061	2 0061	2000	981
				0000	19001	0.0061	2000	
A Market Dynomics (a) Market Meeting				B	8	0.00%	0002	
		Ę	<u> </u>	Ş	<u> </u>	Ş	£	£
ORGANOCHLORING PRSTICIDESPICE	25							
alpha-BHC	<u> </u>	ž	ž	X	ž	ž	×	Y
	NA NA	¥	¥z	ž	≨	.≨	ź	≨≨
IC (Lindane)	¥X Y	Ş	¥	Ϋ́	Ş	ž	Ź	≨
		ž	ž	ž	ž	¥	ž	ž
Heptachion M		4 2	Ź	٧X	\$	ž	ž	≨
		ž	Ş	٧×	Ş	¥	Ş	≨
postide		ž	ž	٧X	≨	Ź	≨	Ş
		Ş	٧X	¥	ş	ž	ž	¥
		ž	ž	٧ ۲	ž	₹Z	ž	Ź
		Ş	ž	٧ ۲	Ş	¥z	Ş	ž
		۲ ۲	Ş	ž	ž	ž	¥	ž
= <u>-</u> 1		¥:	ž	YZ	ž	₹Z	ž	≨
		≨	ž	ş	Ź	₹ Z	¥	≨
Endrin Aldehyde		≨ :	\$:	ž	≨:	Ź	Ş	≨
Suffice		Ş	Ž	Ž	ž	Š	ž	ž
		Y :	≨:	ž	ž	ž	Š	≨
Methodychor Ag	¥ 3	≨ \$	ž	Y	≨;	≨:	ž	≨:
		S	\$ 2	S 7	§ :	Š	۲: ۲:	Y :
Amelia 1016		\$ \$	5 2	X 2	\$ 2	£ :	\$:	≨ :
		<u> </u>	2 2	C 4	£	£ 2	£ ;	≨ :
		<u> </u>	£ 2	\$ \$	Ş	\$ 2	£ ;	≨ ;
		C *	C 2	5 2	\$ 2	\$ 2	X 2	≨ :
		(* 2	4 2	Ç 2	<u> </u>	€ 2	5.2	£ \$
		1		<u> </u>	§ ;	5	§ :	\
								1

B—the reported value is estimated because it is greater than the instrument Detection Limit (IDL), but less than the Contract Required Detection Limit(CRDL)

FB—compoundelement was also detected in the associated field blank

I — sample analysis bolding time greater than control limit

I — sample analysis bolding time greater than control limit

MB—compoundelement was also detected in the associated laboratory method blank

MB—compoundelement was also detected in the associated laboratory method blank

MB—compoundelement was included in analysis, but was not detected

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejected value

MB—rejec

_	
Table E-12. Data Presentation: Site 4 ~ POL Spill Area ~ Soil and Sediment Samples (1990)	ŧ
Ç	3
침	onti
ŝ	9
CE	į
Ę	Pol
ğ	É
3	Ś
Soi	2
1	덛
Š	0
ì	Ĭ
LS S	ij
2	Ž
1	₹
š	lian
ä	2
ij	į
cet	3
Ž	phte
ş	Ē
Ã	.5
-12	122 nd Tactical Fighter Wine, Indiana Air National Guard, Pt. Wayne, Indiana (Continued)
Ģ.	Ę,
Ā	12
_	

### PB-01,-02 PB-01,-02 FB-01,-02 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB-01,-03 FB			10-1478 Z0-03-1498 10-1478	20-00-00		
Units EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -05 EW-01, -04, -04, -04, -04, -04, -04, -04, -04	Laboratory Sample Number		90022312	90022313	90022402	90022403
Units EW-Cit, -Od, -Od, -Od, -Od, -Od, -Od, -Od, -Od	Assertated the amples			79-07 78-05	75-07 TB-06	78-06 T8-66
### 199.4(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1) 1.00 1/(1	Parameter	Cate	-03,-04-05	W-03-04-05	EW-63,-65	EW-03,-65
100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	Total Petroleum Hydrocarbons	200	(IH)(MI	(HI)	(HI) (HI)	(H1)
#### 100 (100 (100 (100 (100 (100 (100 (METALS	4	(N)C OV V	(N) Q 90 9	(2)0110	(N) Q CI V
#### 12.3 (B) 1.50 ##### 12.3 (BB) 1.50 ##### 12.3 (ABB B) 2.3 (ABB B) 2.3 (ABB B) #################################	Amenic	9	280 J(N)	2.80 J.(X.)	11.00 JCR)	(N) 35.
### 0.17 U 0.23 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 20.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10.2 (ABB.B) 200 U 10	Beryllium	1	0.25 J(B)	1.60	1.7	700
110 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Cadmium		0.17 U	6.28 J(MB,B)	0.22 J(MB,B)	0.35 J(MB.B
#### 11.00 10.00 U	Conser		04.5 01.30	27.50	8. 16 8. 16	28.50 10.20
#### 622 (1/46) 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U	Lead	Ž	11.00	10.80	13.80	30.40
#### 0.52 J(FB) 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 UV 0.22 U	Mercury	BCAG	900	0.02 U	0.03 U	3
11.00 UW	Nickel Celentium		9.20 J(MB)	28.60	33.70	2 <u>4</u> 10
### 13.00 UW 6.22 UJ 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 73.94 (FB) 7	Silver		0 160 U 100	2 8 1	1.20 0.71	1.36
	The lines Zinc	200	0.20 UW 13.80 J(FB)	0.22 U 55.30 J(FB)	0.27 J(B) 73.90 J(FB)	0.30 J(B) 71.30 J(FB)
	VOLATILE ORGANIC COMP	SONOC				
	Chloromethane	P.	\$:	≨;	≨;	ž
	Man Charles		\$ *	€ ₹	E Z	\$ \$
	Chloroethane	į	≨	ž	ž	ž
	Methylene Chloride	15	\$:	≨:	≨:	≨;
	Acadon Carbon Dissilida	1	\$ \$	₹ 2	≨ ≵	≨ ≵
	1,1-Dichteroethene	[§	ž	Ş	ź	ž
	1,1-Dichloroethane	P.	≨ :	≨:	\$:	Ž:
	Chlordorn		€ ≨	₹	\$ \$	≨≨
	1,2-Dichloroethane	3	≨	ž	ş	Ź
	2-Butanone	Š	¥:	\$ \$	≨;	ž
	i, i, i = ir kandosumie Cerbon Terrechloride		€ ×	\$ \$	€ ≵	≨
	Vinyl Aceate	1	ž	Ş	ž	ž
	Bromodichic omethene	Ş	ž	≨:	≨;	≨:
	1,2-LNCHGropropane	Š	4 2	≨	\$ \$	₹ 2
	Trichlarocthene	1	Ç X	≨	₹	ź
	Dibromochioromethane	168	¥.	ž	¥	¥:
	1, 1,2—Tricbioroethane Renzene	1678	₹ ₹	₹ ≵	\$ \$	\$ \$
	tram-1,3-Dichlaropropene	1	ź	≨	ź	ž
	Bromoform	ž.	≨:	≨:	≨:	\$:
	4-Metayr-2-pentanone 2-Heranone	į	₹	≨ ≥	\$ \$	₹ ₹
	Tetrachloroethene	T T	≨	ž	≨	ź
	1,1,2,2-Tetrachloroethane	Į.	¥:	ž	ž	¥.
	Toluene	Ž.	Ž :	≨ ≩	ž	\$
	Card openitions Extra benzene		\$ \$	žž	≨ ≨	≨ <u>≨</u>
	Syrene	1	Ź	ž	≨ :	ž
	Total Xylenes	1	≨ ż	≨ 3	≨ ≩	žź
	Iodom ethane	1	≨≨	≨	₹	₹ ≨
	Acrolein	15.0	¥	¥	ž	ž
	Acylonkrile	5	≨ 2	Ž 2	≨ ≨	₹ ₹
	1,2,3-Trichicropropane	į	€ ≨	≨	ź	ź
	1,4-Dichlorobutane	201	≨:	Ž:	ž	ž
	Ethyl Methacrylate	5	≨ 3	≨ ≩	≨ ≩	≨\$
	Dichlorodifluctomethere		Ę X	≦ ≵	₹ ₹	\$ \$

Table B-12. Data Prosentation: Site 4 - POL Spill Area - Soil and Sodiment Samples (1990)
122nd Tactical Fighter Wing, Indiana Air National Guard Ft. Wayne, Indiana (Continued)

SAIC ID Number	SB4-05-01	S84-66-02	10-100 10-100	20-1CS
Laboratory Sample Number	21622305	\$16223006	90022402	90022403
Associated Field QC Samples	FB-01,-02	FB-01,-02	FB-01,-02	FB-61,-02
Parameter	TB-65	78-63 - 10- 10- MH	26 - 28 - 28 - 28 - 28 - 28	20- 12- AP
SEMIVOLATILE ORGANIC COMPOUNDS			2 0	
Phenol			D 057	1987 1
bis(2-Chloroethyl)ether			D 45	⊃ : § {
13.DeMontenzese			2 2	
1,4-Dichlorobenzene			D 957	2
Benzyl Alcohol			⊃: Ş	⊃ : 8 :
1,4 - Denotobelizene 2 - Metholopenol				
big(2-Chloroleopropy) at her			0.007	200
4-Methylphenol			200	28.
N-Nitroso-di-N-propylazzine			2 5	⊃ : Ş Ş
Nitrobenzene			3	3
Isopharone			D 007	D 60
2-Nitropbenot		8 5	⊃ : Ş	⊃ : Ş :
2,4-1,4metnyfpoenol Renocic Acid		•	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
big2-Chloroethomy)methane		380	D 957	0.83
24-Dichlorophenol		*	D 65	D 63
1,2,4—Trichlorobenzene Nameralene			8 8) = () ()
4-Choroaniline		***	3	\$
			D 957	⊃: \$
4-Choro-3-Bethyppenol) = 3	5 5
Herechanoschoensadiene			2	2
2.46-Trichlorophenol			2	2
2.45-Trichtarophenol			2812	2007
2-Nimeniline			2180	
Dimethyl Phthalace			787	780
Acmaphibylene			2 2	3
2.e-Lyndroduene 3-Nimenilie			3 2	
Acenaphthene			2 2	200
2,4-Dinkraphenol			21 60 U	2000 U
4-Nitrophenol Dibenzofiszen			212	
24-Dinkrotoluene			3	3
Diethyl Phibalate			2	2
A-Cad opporty - preny Einer			33	3
4-Nitroeniline			2140 U	7 200 C
4.6-Dinkro-2-methylphenol				2
A - Nucleon promy amore 4 - Bromonhem4 - pheny Ether			3	
Hetachkorobenzene		S	⊃ 85	0.83
Pertachiorophenol			286	
Adhrene		3	3	2
di -N-Butyiptahalase		3	2007	0.60
Fluxanthene			⊃ : Ş {	⊃: 8 €
Butvillenard Pathalate		3	3	
3,3"-Dichlorobenzialine		2	3	0.00
Benzo(a)anthracene			2 5	> = 5 5
bin(2-Ethythexyi)ptehalate			3	8
di -N-Octyl Pichalate		**	2	2
Berno(b) fluoranthene			3 5) = 5
Benna(L) How millens Benna(L) parene		F A	3) 5
Indeno(1,2,3 -c,d)pyrene			200	5
Decembe (a, b) and traceme Reman(a, b, i beardene				
				į

2	Ę.
Samples (a (Continue
ad Sedimen	't. Wayne, Indiana (
a – Soil a	al Guard, Pt. Wa
Table B-12. Data Presentation: Site 4 - POL Spill Area - Soil and Sediment Samples (1990	122nd Tactical Fighter Wing, Indiana Air National Guard, F
n: Site 4 -	L Indiana Ai
Presentation	thter Wing.
3-12. Data	d Tactical Fi
Table	122 nd Tactica

		384-63-01	20 - C0 - PSS	SD4-01	25-428 25-428
7			/ / / / / / / / / / / / / / / / /		
American Hield Of Semales		FR-01-02	FR-01-02	FR_01 -02	FB-61-67
		10-01 10-01	78-02 78-05	76-E-	18-87 18-87
Personal	Units EW	EW-03,-04,-05	EW-03-04-65	EW-60,-65	EW-63-65
EMIVOLATILE ORGANIC COMPOUNDS	APOUNDS				
Continued)			;		
i – Nitrosodimetbylamine	¥.	96.	D: 000		
-ricoine	3		0.000		
West by Methanesull Charles	200		0.0001	O 8017	
Antibe	1	130	1 0081		
Lostonberone		= 96 C1	19081		
V - Nimonalperioline		200.0	19001	219011	
Dimetholophenetholomine		13001	13001	2100 11	
2.6-Dichicrophend		1300	13001	2100 []	
-Nitroso - di -N -butviamine	, and	1360	U 0081	2160 U	
1.2.4.5 - Tetrachlorobenzene	Ą	J 9921	1900 U	2160 U	
-Chloropathhalene	We fee	798	1800 U	2100 U	
ert achterohenzene	T T	1300	U 0081	2100 U	
-Naohthylamine		1300	D 9081	2100 U	
- Nenhthadamina		1700.1	11 0081	2160 11	
2 Dishandhatanina	2		19001	11 4812	
the capture of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the	2		1 0001		
	9				
	•				
Tonamide	¥.			3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	
	£.	2	200	0 817	
- Unsethylaminoszobenzene	Š			0 0012	
,12-Dimethylbenzo(a)anthracene	ş				
-Methylcholanthrene	2		0 0001		
NC Total	re/s	ž	¥	≨	Ź
ORGANOCHLORINE PRSTICIDESPICE	RSPCBe				
PDB-BHC	FEAT	Ź	Ş	¥	Ź
eta - BHC	He/L	Ź	Ş	ž	Ź
Amena - BHC (Lindane)	a de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición dela composición de la composición de la composición de la composición dela composición de la composición de la composición dela composición de la composición de la composición dela composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composic	Ź	ž	Ş	ž
eka-BHC .	al an	≨	Ž	ž	ž
entachior	an lies	×	Ş	ž	ź
Aldrin		ž	ž	×	ž
lent achier Placetide		ž	Ž	ž	¥
Padomitino-		;≥	¥2	Ž	*
Dialdalm	21	ź	A N	*	2
	94	<u> </u>	X	[]	5≱
		2	2	2	X
Zadenifes If	1	§ <u>\$</u>	\$ *	2	₹ \$
	91	<u> </u>	§ ₹	\$ 2	§ ≨
14. Alahuda	•	§ \$	5 2	§ \$	§ 3
Sharm Australia	7	£	Š	£ 2	£ \$
A'-DIYE		≨ ≱	2	<u> </u>	₹ ≱
Mehanika	1	2 2	2	2	2
Things pe		2	2	Ž	₹ 2
Constitution	1	2	2	3	2
Ancelor - 1016		Ž	Ž	₹	5≨
Appellor 1221	<u>و</u> و	2	* * * * * * * * * * * * * * * * * * *	2	2
marker 1342	1	<u> </u>	\$ 2	£ 2	5 ≨
	\$	\$ \$		£ 2	<u> </u>
Arcelor - 1246		≨≨	\$ *	≨≨	€ 2
AN AN AN AN AN AN AN AN AN AN AN AN AN A	\$	<u> </u>	\ 2 2	1 2	₹ ≱
+C71 - 10120.7	5	٤	Ę	5	
19.60			***	2	2

De litter sponteer vanie is estimated occusion it is greater than itse manuscent beneation blink (LIDL).

EB - compoundédement was also detected in the associated fleid blank.

HT - ammys analysis bodding time greater than control litels.

AB - compoundédement was also detected in the associated laboratory method blank.

N - apited samples recovery outside of control limbs.

NA - not analysed.

R - rejected white.

Compoundédement was included in analysis, but was not detected.

W - point - digestion spike for Oraphie Flurnace Atomic Absorption (GPAA) analysis is out of control limbs.

U - control limbs (65 - 115%), while sample absorbance it has 59% of the spike absorbance.

Table E-13. Data Presentation: Site 4 -- POL Spill Area -- Oronadwater Samples (1999) 122º d Tactical Egibter Wing, Indiana Air National Guard, Pt. Wayne, Indiana

Fleid (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC Sampies Pied (TC S	FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-63 FB-6	SAIC ID Number Laboratory Sample Number		MW4-62 90023901	P-2
Units EW-65,-06,-06,-09 EW-65,-06,-09	Units EW-65,-06,-06,-09 EW-65,-06,-09	Associated Field QC Samples		E- 6	FB-01,-02,-03
######################################	######################################	Personeter	Cinita	EW-05,-06,-09	-05,-06,-07,-0
200 (100 (100 (100 (100 (100 (100 (100 (200 (100 (100 (100 (100 (100 (100 (100 (Total Petroleum Hydrocarbons	7êm	10	
######################################	MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUNTS MACOUN	MBTALS			
MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUNDS MATOUN	200 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Antimony	3	1990	000
2000 A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A STANDARD AND A	2000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 10	Perelline		3.50 x(MB.B)	3.30 KB)
27.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13.00 (13	13.00 U	Cadmium	3	2.00 U	2.00 U
25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40	25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40 25.40	Chromium	4	13.60 U	13.00 U
2000/VIDS 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980	200 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Copper	į	27,00	43.00 X(FB)
2000/00/00/00/00/00/00/00/00/00/00/00/00	MATOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUNDS ANTOUN	Merciny	1	77.45 P. 62	10.50 (EB)
2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W 2000/W	2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 2000W 20	Note	1	16.00 XIMB.B)	32.00 KMB.B)
2000/00/00/00/00/00/00/00/00/00/00/00/00	2000/00/00/00/00/00/00/00/00/00/00/00/00	Selenium	Ę	3.00 UW	3.00 UW
	2000 1200 1200 1200 1200 1200 1200 1200	Silver	F	11.00 U	11.00 U
		Thelium Zinc	į	2.00 U 32.00 J(MB)	25.00 XFB)
		MANAGEMENT CALLED ON ON A SHAPE WAS			
		Chomachan	ب ع	1101	191
		Promonethere		200	
		Viryl Chloride	Ę	0.00	200
		Chloroethane	Ž.		1 91
		Acatone		(a1)0.0	
		Carbon Disulfide	1	os Os	n s
		1,1 - Dichloroethene	Ę) a	30
		1,1—Dehloroethane	1	2	0.5
		Chlomform		25	25
		1,2-Dichloroethare	1	22	22
		2 - Butanone	₹.		0.01
		1,1,1 - Trichlorosthane Corbon Tonochloride	į	25	
		Vind Acetale	1	200	200
		Bromodichloromethane	Ę	ns S	ns
		1,2-Dichloropropene	Ą) s	ns:
		cis-1,3-Dichloropropene	3);
		Dibromochloromethane			
		1,1,2-Trichloroethane	Ę) s	22
		Benzene	٠	30) (
		trans-1,3 - Dictrioropropens	1	05	
		4 - Machain 2 - pentanone		200	
		2-Heranone	4	200	2
		Tetrachloroethene	Ę	ne C	ne
		1,1,2,2—Tetrachloroothane	Ž,	ns:	25
		Toluene	Ž.);	o:
		Chlorocentene	į		
			4	33) S
		Total Xylenes	Ž	ns S	n s
		2-Chloroethyl Vinyl Ether	Ę	19. 19.	791
		lodomethane	Į.	D 19	
		Acres	1	? ?	•
		Disconnections	1	200	2 2
100 Total	190 190 190 190 190 190 190 190 190 190	1.23-Triebloropropage	1	701	
190 Test	10 C C C C C C C C C C C C C C C C C C C	1,4-Dichlorobutane	3	200	
10 C 10 C 10 C 10 C 10 C 10 C 10 C 10 C	. rg/L 10 U	Bibyl Methacrylate	Ę	100	1 •0
	5 pg/ 30 U	Trisblarofluoromethane	Ę	3	1 •1
	(6)0	Dictrionalifluoromethene	Į.	1986	2

COMPOUNDS			SAIC ID Number Laboratory Sample Number 90023901	F=2 90024801
COMPOUNDS	Associated Fleid QC Samples		FB-03	FB-01,-02,-03
\$\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Parameter	Units	8	EW-05,-06,-07,-08
	SEMIVOLATILE ORGANIC CON	POUNDS	Cho/a vi	03078 At
	bis(2-Oblorosthy)ether	1	10 REHT	
	2-Chicrophenol	Į,	10 R(EHT)	10 R(SSR
	1,3—Dichlorobenzene	1	S K(BHI)	N N N N N N N N N N N N N N N N N N N
	Renad Alcohol	1	20 R/EHT	20 R/S
	1,2-Dichlorobenzene	701	S R(BHT)	S R(SSR
	2-Mabytphenol	18	10 R(EHT)	10 R(SSR
	bia(2-Chlorolappropyl)ather	70.	10 R(EHT)	2 5
	4 - Mathyphenot N - Mirror - A - N - prondemine		10 K(EHT)	
	Hezachlorodhane		10 REHT	10 R(SSR)
	Nitrobenzene	Ą	10 R(BHT)	2
	Isophorone	4	10 R(EHT)	10 R(SSR)
	2- neropismo 2.4 – Dimethdohenol			10 MCSSR)
+ + + + + + + + + + + + + + + + + + +	Berzoic Acid	191	SO R(EHT)	2
	bie(2-Chlorosthoxy)methane	J.	10 R(EHT)	2:
	2,4 L7chloroppenol 1 2 4 Trichloropens		THEYED TO BE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT THE SELECT TH	2 9
	Naphthalene	1	10 R(EHT)	2
	4-Chloroeniline	雪	20 R(EHT)	20 R(SSR)
	Hetachkorobuladiene	3		2 \$
	4 - Calgro - 5 - Eschyphenor 2 - Methdosphehalene	TO THE	10 R/EHT)	10 P/S
	Herachlorocyclopentadiene	4	10 R(EHT)	10 R(S
	2,4,6-Trichlorophenol	Ą.	10 R(EHT)	10 R(SSR)
	2,4,5 — Tricthforophenoi 2 — Chlomonalethalana	1	SOMETTI THEY DE	Se KUSSK Se POSSP
	2-Niconiline		SORCERT	SO ROSER
	Dimetry Pathelate	Ę	10 R(EHT)	16 R(SSR)
	Acenaphthylene 2.4Dahmeddisma	1	10 R(EHT)	
	3-Niroanline		SO R(EHT)	SO R/SSR
	Acenaphthene	Ę	10 R(EHT)	10 R(SSR)
	2,4 - Dinkrophenol	Ž	SOR(EHT)	SO R(SSR)
	4 - Naropamos Dibenzofuran		ORCHT)	N C C C C C C C C C C C C C C C C C C C
	2,4-Dintrotoluene	4	10 R(EHT)	10 R(SSR)
	Diethylphtbalate	4	10 R(EHT)	10 R(S
	4-Chicropbeny-pheny Ether Fluorene		(LPS)N 62 CTH3/N 01	
	4-Ntroenline	4	SO R(EHT)	
	4,6-Dintro-2-mathyphenol	Į.	SO R(EHT)	
	n - marosomphemanine 4 - Reomonhemi - nhemi Pilher		10 REHT)	10 R/SSR
rophenol #91. rests #91. rests #91. rests #91. rests #91. rests #91. rests #91. rests #91. rests #91. rests #91. rests #91. rests #91. rests #91. rests #91. rests #91. rests #91. rests #91. rests #91. rests #91. rests #91. rests #91. rests #91.	Heachlorobenzene		10 REHT)	10 R(SSR)
	Pentachlorophenol	4	30 R(EHT)	30 R(SSR
	Phenanthrene	Į.	10 R(EHT)	30 K(S
	di-N-Buyiphhaine	1	10 R(EHT)	10 R(SSR)
	Pluoranthene	Į.	10 R(EHT)	20 20(5)
	Pyrene	Ž	10 K(EHI)	
	3.3' – Dichlorobenzidine	14	26 REHT	26 R/S
*	Benzo(a)art bracene	Į,	10 R(EHT)	10 R(SSR)
	Corysone Nation - Bit discondiscipations	į		
2 2 3 2 3 3	di-N-Octyl Pithelate	į	CHE)	36 16(3
물물:	Benzo(b)fluoranthene	Ž	10 R(BHT)	10 R(S
	Benao(k) fluoranthene	Ę	10 R(EHT)	10 R(SSR
	Detack(#Jpyrene Indeno(1.2 3a d)ovrene	1	10 Ken O	10 R(55R)
	Dibenao(a,b)enthracene	ž	10 R(EHT)	2
	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Ì	1	

Table E-13. Data Presentation: Site 4 - POL Spill Area - Groundwater Samples (1996) 1998 Tables Information Air National Council to William Labora Management	sentation: Site 4 -	Noticed Order of Grounder	roundwater Samples (1990)
SAIC 1D Number		MW4-02	
Laboratory Sample Number		90023901	1007706
Associated Pield QC Samples		FB-03	FB-01,-02,-03
Parameter	Calle	EW-05,-66,-06,-09	EW-05,-06,-07,-06
SEMIYOLATILB ORGANIC COMPOUNDS	SONNOS		
(Coatlaned)			
N-Nitrosodimethylamine	HEAL	SO RUEHTD	SORSSR
2-Ptoline	Total Park	SORIEHT	Se RUSSR)
Methyl Methanesulfonate	F	SORCEHT	SO R(SSR)
Estry Methanesulfonate	4	SO R(BHT)	SO R(SSR)
Apiline	484	SO RCEHT	SO R(SSR)
Acetophenone	Ą	SORVEHT	50 8/558)
N-Nirrosogiperidine	ALEA.	SORIEHT	SO RYSSR)
Dimethylphenethylamine	4	SORCHI	SO RUSSR)
2,6-Dichlorophenol	4	SORIEHT	SO R(SSR)
N-Niroso-d-N-butylamine	Ž	50 R(BHT)	SO R(SSR)
1,2,4,5 - Tetrachlorobenzene	Yey	SO R(EHT)	50 R(SSR)
1-Chteronaphthalene	Ę	50 R(EHT)	50 R(SSR)
Pentachlorobenzene	¥	SO R(EHT)	SO R(SSR)
1 - Napit bylamine	HOL	SOR(EHT)	Se R(SSR)
2 - Napit bylamine	F	50 R(EHT)	Se R(SSR)
1,2-Diphenylbydrazine	4	So R(BHT)	SO R(SSR)
Phenacetin	Į	SO R(EHT)	SO R(SSR)
4 - Aminobipbeny	MAN	SORCEHT	50 R(SSR)
Pronamide	¥.	SO R(EHT)	SO R(SSR)
Benzidine	Z	SO R(EHT)	SO R(SSR)
p - Dimet byta minoszobenzene	3	So R(EHT)	So R(SSR)
7,12 - Dimethylbenco(a)anthracene	¥	SO R(BHT)	SO R(SSR)
3 - Methylcholanthrene	į	50 R(EHT)	SO R(SSR)
TicTotal	Tar.	¥	< z

TICTORI

B - the reported value is estimated because it is greater than the Instrument Detection Limit (IDL), but less than the Contract Required Detection Limit(RDL).

BB - the reported value is estimated because it is greater than the Instrument Detection Limit (IDL), but less than the Contract Required Detection Limit(RDL).

BB - compoundefement was also detected in the saccitated equipment blank.

BB - compoundefement was also detected in the associated field blank.

BB - compoundefement was also detected in the associated field blank.

BB - compoundefement was also detected in the associated also be an about the compoundefement was also detected in the associated trip blank.

BB - compoundefement was also detected in the associated trip blank.

BB - compoundefement was also detected in the associated trip blank.

TB - compoundefement was included in analysis, but was not detected.

U - compoundefement was included in analysis, but was not detected.

W - poor - digention spike for Craphie Purnace Anomic Absorption (GPAA) analysis is out of control limbs.

(85 - 115 %), while sample absorbance is less than 50% of the spike absorbance.

(16	
5	
Zins:	
2 2	Ì
dia	
il and Scdi	j
oil ar	7
න 1	=
Arca	1000
4 - POL Spill Area - S	Ž
OL S	Air
<u>ت</u> ا	linn
ite 4	į
on: S	Ë
atatic	i de
CSCI	22nd Tactical Richter 1
ita P	action.
Ä,	Ě
Table E-14.	122
able E	
I.	

		SED-1 SED-2 S84-1-1	SED-2		SB4-1-2		1-7-195
Laboratory Sample Number		14395	14396	13110, 13115	13111, 13116	13112, 13117	13177, 13185
Associated Field QC Samples		FB2-1	FB2-1	FB4-1	FB4-1	FB4-1	FB4-1
	11	TB11-7-91	TB11-7-91	໘,	TB10-30-91	TB10-30-91	TB10-31-91
		1-702	1-793	CD3-1, 4-1	CD3-1, 4-1	CD3-1, 4-1	EB3-1, 4-1
TPU A. Dieni	BE/KB	Αχ.	۲. د) 	2:	<u> </u>	
TPH As Moor Oil	mg/kg	. 2.	1.2	=	2 0	\$ <u>\$</u>	2 9
)						
INORGANICS	,	;	;	;	:	į	į
Andmony	ing/kg	Z Z	€ • Z. 7	VY V	V.	YZ Y	YZ Y
Assembly and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	SAZE SAZE	C ×	€ ₹	(N)r o'c	(N): 1:/	(X) C G X	
Cadmium	mg/kg	< <	Ć ∀	₹ 2	€ 4	₹	€
	SAN IN	C 2	C <	ξ ×	۲ ×	< <u> </u>	4 2
		C 2	C 2	4 × ×	C *	۲ ×	4
Total T	E CAS	20.2 [/e)	74 IV	£ 6	£ 6	۲ S	()
Mercury	2000	. Y N	N. A.	! ~	7 2	† ×	7 2
	4 6 6	; ×	: X	2	ξ Χ	ξ 4	₹ 2
Selenium	no ke	Ç ×	(4	0 23 111(N)			100 C
Silver	9 % 6	(4	. Y	YN YN			
Thellium	me/ke	Z Z	Ž	0.33 UJ/N			
Ziac	mg/kg	V	٧X	NA.	Y.	VN.	VN.
VOLATILE ORGANICS (SOW 1400)							
:	HE/Kg	70 U	71 U	Y Z	۲ ۲	ž	Ž
Bromomethane	HEAR	200	71 U	٧×	Y Z	₹Z	ź
Visyl Chloride	HE/KE	70 C	טוג	¥z.	Y Z	₹	¥
Chloroethane	HE/KB	70 C	71 U	٧X	¥	∢ Z	4
Methylene Chloride	Here	35 U	38 C	٧X	٧X	٧X	Y
Acetone	HEYE	<u>&</u>	280	٧	٧	٧X	Y
Carbon Disulfide	HEAR	35 U	2 C	¥	₹ Z	×z	ž
1,1 - Dichlorochene	FEXE	⊃ % %	⊃ : 8 %	4	X 2	Y 2	₹;
1.1 - Dichtonehen (Tent)	Merk 8	2 2	2 2	۲ ×	€ 2	₹ 2	X
1,4 - Dicarol cetacae (10tal) Chloroform	HOAS 10 As	35.0	2 ×	€ 2	¢ <	€ ₹	4
1.2—Dichloroethane	no/ke	= X	= = = = = = = = = = = = = = = = = = =	. ×	₹ X	₹ 2	₹ 2
2-Butanone	ue/ke	2 2	310 110	Ž.	S X	X	(4
1,1,1-Trichloroethane	HE/Kg	35 U	3% C	×z	Y Z	X	ž
Carbon Tetrachloride	HEARE	3S U	36 U	٧Z	٧	۷ ۲	X
Bromodich foromethane	HEYE	38.5) 8	Y :	Y :	Y :	₹
1,2—Dichloropropane	#EXB) S	⊃: & &	ž:	¥ ;	Z:	Z:
cs - 1,5 - Uka koropropene Trick broothene	HEYES.) S S	⊃ = 8 %	₹ ₹	₹ 2	۲ خ ۲ ۶	4
Dibromochloromethane	e West	2 X	2 %	C ≪	(4 2	₹ 2	(←
1,1,2-Trichloroethane	HEVE	38 C	2%	ď Z	ž	ž	Ž
Benzene	HEARE	3S U	3% U	0.59 U	0.61 U	0.62 U	0.61 U
trans-1,3-Dichloropropene	HEYE	3S U	3% C	٧X	٧	٧X	× Z
Bromoform	HEYE	33 20 20 20 20 20 20 20 20 20 20 20 20 20	⊃: %:	₹ Z	¥z:	ž	۲
4-Methyl-Z-pentanone	HEYE	2:) ;	Ž:	¥:	Y :	Y :
Z-nexacone Totrachlaraches	Z Z) i	2 2	< <	₹ 2	< 2 2 2	< > 2
1,1,2,2-Tetrachlorocthane	i k	38.0	2 %	ź	e e	Z	ξ Χ
Toluene	reke	3S U	D %	0.59 U	0.7	1.6	0.61 U
Chlorobenzene	FORE	3S U	3%	0.59 U	0.61 U	0.62 U	D.61 U
Ethylbeszene	HEAR	35 U	28	0.59 U	0.61 U	0.62 U	0.61 U
Styrene	Hers	35 U	% ⊃%	1.20 U	1.2 U	1.2 U	1.2 U
Xylene(Total)	HEAR	3S C	28	Y Z	\ Z	۲×	۲×
M - P - Xylene	HEAR	٧×	Š	1.26 C	1.2 U	1.2 U	1.2 11
		•	•				}

Table E-14. Data Presentation: Site 4 - POL Spill Area - Soil and Sedimet Results (1991) 122nd Tactical Fighter Wing, Indiana Air National Guard, Ft. Wayne, Indiana (Continued)

### 1939 14.396 11.3116 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311. 1311.		SED-1	SED-1	SED-7	1-1-490	2-1-195	0-1: 190	1-7-100
The color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the	Laboratory Sample Number		14395	14396	13110, 13115	13111, 13116	13112, 13117	13177, 13185
- Third Thirty 1 Thirty 1 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirty 2-9 Thirt	Associated Pield QC Samples		FB2-1	FB2-1	FB4-1	PB4-1	FB4-1	FB4-1
Company		:	TB11-7-91	TB11-7-91	TB10-30-91	TB10-30-91	TB10-30-91	TB10-31-91
CACE WORK AND AND AND AND AND AND AND AND AND AND		- 1	EB2-1	EB2-1	EB3-1, 4-1	EB3-1, 4-1	EB3-1, 4-1	EB3-1, 4-1
		_		•		•	!	
	* renol	#g/kg	۷ ۲	¥2	¥ Z	< Z	₹ Z	ž
	nis(2-Chloroethyl)ether	HEVE	۲ ۲	Y Z	¥z	\	₹	Y X
	:-Chlorophenol	#g/kg	۲ ۲	~	Y Z	₹	Y Z	۲ ۲
	,3 - Dichlorobenzene	HEKE	YZ :	YZ:	0.59 U	0.61 U	0.62 U	0.61 U
	,4 ~ Dichlorobenzene	H6/K8	₹	Y Z.	0.59 U	0.61 U	0.62 U	0.61 U
	1,2-Dichlorobenzene	HE/KB	۷ ۷	Y Z	0.59 U	0.61 U	0.62 U	D 19'0
	:-Methylphenol	HEAKS	٧ ٧	٧x	¥z	4	٧x	۲ ۲
	,2'-oxybis(1Chloropropane)	HCK6	٧×	YZ Z	٧×	₹ Z	٧×	₹ Z
Comparison	-Methylphenol	He/kg	Y Z	۲ ۲	YZ	٧×	YZ	₹
	i - Nitroso - di - N - propylataine	He/Ke	∀ Z	YZ.	٧X	YZ.	₹ Z	*
methane gates N. N. N. N. N. N. N. N. N. N. N. N. N.	Terachloroethane	ne/ke	×	Ž	×	ž	×	×
monthase	inrohensese	e Ve	×	4 2	Z	7	X	¥.
methane gages NA NA NA NA NA NA NA NA NA NA NA NA NA			. Z	. Z	. ×	. Z	2	× ×
	- Nitronhead		* 2	. ×	X	X	X	X
methane			£ ×	£ 2		£ \$	₹ 2	5 2
	Characteristics	Ž.	S 2	X 7	S	C :	C :	ζ ;
	#(z-Chiorochoxy)menane	16×8	۲ :	Z:	¥ ;	<u>د</u>	۲ :	S
	. 4 - Uschiorophenol	HE/KE	S	ζ;	4 :	<u>ج</u>	₹ ;	۲: ۲:
	,2,4 — I rick lorobes zeae	16/48	Y :	Y	¥ :	Z:	Y	X
	aphthalene	HC/KB	۲ ۲	¥.	٧ ٧.	4	₹ Z	ž
	-Chloroasiline	HE/KB	٧	₹ Z	٧ ٧	Y	Y Z	Y
	lexach lorobutadien e	HEAR	ž	Y Z	٧X	ž	×z	Y
######################################	-Chloro-3-methylphenol	HE/KE	∀ Z	Y Z	∀ Z	Y Z	۲ ۲	ž
Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check Check	lexachlorocyclopentadiene	HEAR	٧X	۲ ک	۲×	Y Z	4 2	4 2
######################################	4,6-Trichlorophenol	HE/KE	۷ Z	₹ Z	₹ Z	₹ Z	₹ Z	¥
######################################	-Methylaaphthalene	HEAR	Y.	¥	٧	4 2	ž	₹
16/6	4,5-Trichloorophenol	HEAR	ž	Y	٧	ž	ž	¥
16/6	-Chloronaphthalene	WE/KE	₹	₹ Z	¥z	₹	₹z	4 2
######################################	-Nitroaniline	HE/KE	٧×	٧z	٧×	YZ	٧X	Y Z
##### NA NA NA NA NA NA NA NA NA NA NA NA NA	Simethyl phthalate	We'ke	₹ Z	₹z	٧x	YZ	٧X	4 2
### ### ### ### ### ### ### ### #### ####	lcenaphthylene	HEAR	٧z	₹	₹Z	4 Z	ž	4 2
######################################	,6-Dinitrotoluene	Mg/Kg	٧ <u>٧</u>	42	×	₹ Z	₹ Z	×
######################################	-Nitrossiline	HEAR	₹	Y Z	۲ ۲	4 2	₹	₹ Z
eayl ether 1978 NA NA NA NA NA NA NA NA NA NA NA NA NA	scenaphthene	y Agh	٧×	YZ.	Y Z	¥Z	*	۲Z
eayl ether 1976 NA NA NA NA NA NA NA NA NA NA NA NA NA	4-Dinitrophenol	me/ke	×	٧×	×Z.	×	Ϋ́χ	×
cayl cher 1266 NA NA NA NA NA NA NA NA NA NA NA NA NA	-Nitrophenol	HE/Kg	∀ Z	٧×	Y Z	4 2	۲Z	₹ Z
The cast of the control of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the cast of the)ibenzofuran	HEKE	Y Z	ž	Y Z	××	×z	4 Z
	,4-Dinitrotoluene	FS E	٧×	₹	٧	۲ ۲	۲ ۲	۷ ۷
<pre></pre>	Siethyl phthalate	HE/Kg	4 2	۷ ۲	₹ Z	4 Z	₹	Y Z
	-Chlorophenyl phenyl ether	F¢8	٧×	₹	∀ X	₹ Z	₹ Z	Y
A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A <t< td=""><td>luorene</td><td>#Kg</td><td>۲×</td><td>₹ Z</td><td>₹</td><td>ž</td><td>ž</td><td>X</td></t<>	luorene	#Kg	۲×	₹ Z	₹	ž	ž	X
	Nicrossiline	#Kg	٧×	ž	۲ ۲	ž	₹	Y
	,6-Dinitro-2-methylphenol	FF	٧×	Y	₹	₹	∀ Z	×
	V-Nitrosodiphenylamiae (1)	HEAS.	₹ Z	X	¥:	ž	X:	*
	-Bromophenyl phenyl ether	HEKE	4 2	₹ Z	₹ Z	Z.	4	Z :
16/6	lexact loroben zene	HEAR	Y :	Y :	YZ :	X	¥:	Š
1646 NA NA NA NA NA NA NA NA NA NA NA NA NA	entachloropheno!	ACKS.	Š	۲ ۲	×z	YZ	\	₹ Z
1646 NA NA NA NA NA NA NA NA NA NA NA NA NA	henauthrene	HEVE	۲ ۳	4	\ Z	۲ ۲	۲ ۲	< Z
FERE NA NA NA NA NA NA NA NA NA NA NA NA NA	Ambracese	HE/KE	X	X	X	ž	×:	₹ Z
\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	arbazole	FEAR	Ź:	××	×.	X	₹ Z	Y
	li - N - Butyl phthalate	T Y	₹	∢ z.	₹z	< z	< Z	₹

Table B-14. Data Presentation: Site 4 - POL Spill Area - Soil and Sedimet Results (1991) 1930d Tartical Fisher Wine Indiana Air National Guard 5t Waves Indiana (Conjunct)

	122" Tactical Fighter Wing, Indiana Air National	Wing, Indiana	Air National	Guard, Ft. Wayne, Indiana (۷	ontinued)	
SAIC ID Number		SED-1	SED-2	SB4-1-1	SB4-1-2	SB4-1-6	SB4-2-1
Laboratory Sample Number		14395	143%	13110, 13115	13111, 13116	13112, 13117	13177, 13185
Associated Field QC Samples		FB2-1	FB2-1	FB4-1	FB4-1	FB4-1	FB4-1
•		TB11-7-91	TB11-7-91	TB10-30-91	TB10-30-91	TB10-30-91	TB10-31-91
Parameter	Units	EB2-1	EB2-1	EB3-1, 4-1	EB3-1, 4-1	EB3-1, 4-1	EB3-1, 4-1
SEMIVOLATILE ORGANICS (S	CS (SOW 3/90)						
(Continued)	•						
Pyrene	HE/KR	Y X	Y.	Y.	٧X	YZ	٧×
Butylbenzylphthalate	HEYKE	¥ _N	Y.	Y.	٧×	₹z	٧X
3,3'-Dichlorobenzidine	HE/Kg	¥	٧z	YN	¥	٧x	٧×
Benzo(a)anthracene	Heles	N	¥	Y X	٧×	٧	٧×
Chrysene	Here	۷ X	Y.	¥z	٧	¥Z	¥Z
bis(2-Ethylhexyl)phthalate	Hg/kg	ž	YZ.	٧×	Y.	٧x	Ϋ́
di-N-Octyl phthalate	Hg/kg	¥	¥Z.	٧X	٧X	٧x	۲×
Benzo(b)fluoranthene	HE/KE	¥	Y Z	۲z	٧X	٧x	Y Z
Benzo(k)fluoranthene	HS/Kg	٧X	Y.	٧	٧×	¥	₹ Z
Benzo(a)pyrene	HEKE	¥2	YZ.	¥ Z	٧	4 2	ž
Indeno(1,2,3-cd)pyrene	HE/Kg	¥	Y Z	٧×	¥	٧x	۲ ۲
Dibeazo(a,h)anthracene	gx/sH	۲X	Y Z	٧×	۲	٧×	×
Benzo(g,h,i)perylene	HE/KE	¥	¥Z	۲ ۲	₹ Z	۷ ۲	₹ Z
TIC Total	mg/kg	ž	Y.	₹z	¥Z	٧×	٧×

J – estimated value

N – spiked sample recovery outside of coatrol limits

NA – not analyzed

U – compound/element was included in analyzis, but was not detected

• – duplicate sample analyzis outside of control limits

SAICID Number SB4-3-1 SB4-3-2 SB4-3-4					
		SB4-2-2	SB4-3-1	SB4-3-2	SB4-3-4
Laboratory Sample Number		13178, 13186	13191, 13200	13192, 13201	13193, 13202
Associated Field QC Samples			FB4-1	FB4-1	FB4-1
Parameter	Units	TB10-31-91 EB3-1, 4-1	TB11-1-91 EB4-1	TB11-1-91 EB4-1	TB11-1-91 EB4-1
TPH as Oasoline	mg/kg	-	10	-	10
TPH As Diesel	nck:		ים	חם	2
TPH As Motor Oil	Syde M	2	10 C	D 01	12
INORGANICS					
Astimosy	meke	Y _Z	٧×	4	4 2
Amenic		6.3 J(N)	Y _Z	Y _Z	
Beryllium	mg/kg	VN	٧X	٧×	
Cadmium	TA'S	V.	٧×	¥	
Chromium	mc/kg	W	٧X	¥	Y _Z
Copper	mg/kg	٧X	٧X	¥	
Lead	mg/kg	0.2	19.3 J(*)	11.7 J(*)	
Mercury	#\%	Y X	۲×	4 %	
Nickel		Y X		\	4
Scientific		(N)(O 57:0		Š	X :
Suver		AN CONTRACT	۲ : ۲ :	< :	4
Zinc	12	NA NA		(< Z	4 2
VOLATILE ORGANICS (SOW 399)	W 3/90)				
Chloromethane	HEAR	Y.	۲×	¥	4 %
Bromomethane	FEAS	۲ ۲	××	YN	٧x
Vinyl Chloride	HEAR	٧×	Y	۲ ۲	Y X
Chloroethane	Hers	٧X	۲ ۲	٧×	٧x
Methylene Chloride	EK.	Y :	Y:	¥:	Y :
Actore Control Division	FEXE	۲ ÷	< :	< < Z 2	4
1.1-Dichlorethene		€ ×	ξ Χ	ζ Χ	₹ 2
1,1-Dichloroethane	FCAS	Y.	X	X	*
1,2-Dichloroethene (Total)	FEAS	٧×	Z.A	۲ ۲	۲
Chloroform	Fere	×z	*	Y	Y
1,2-Dichloroethane	HE/KE	Y :	Y :	Y :	Y :
2-Bulleone 111-Trichlocombane	S A S	< <	< <	< <	< < 2
Carbon Tetrachloride		ξ χ	Ž	: <	(v
Bromodichloromethane	He/Kg	Y.	Y Z	٧ ٧	× z
1,2-Dichloropropane	ICAS.	٧X	X	×	۷z
cis - 1,3 - Dichloropropene	FEAS	٧X	Y Z	۷ ۷	4 2
Trichloroethene	HERE	٧X	¥.	4 2	Y
Dibromoch loromethane	FERE	₹	Y:	¥:	*
1, 1,2 - Trichloroethane	Ž.	YN.	۲. ۲.	Y	Y X
Benzene	TO T	0.57 0	0.67	0.63.0	0.860
ness - 1,5 - Dresnotopropese Bromoform		₹ 2	C ₹	ζ ∢	(<
4-Methyl-2-pentanone		(~	₹ 2	C 2	₹ 2
2-Hexanone	E S	×	Š	×	X
Tetrachloroethene	16kg	4	*	¥	×
1,1,2,2—Tetrachloroethane	reke	٧X	Y	٧X	٧x
Tolucae	FORE	3.5	0.67 U	8 .0	D 650
Chlorobensene	reke T	0.57 U	0.67 U	0.63 U	0.59 0
El hyber mene	1	0.57 U	0.67	0.63.0	0.650
Xylene Xylene (Total)		- X	2 4	? ₹	2 Y Z
M-P-Xvene		11 11	13.0		֚֚֚֚֚֚֚֚֚֚֚֓֞֝֝֟֝֟֝֟֝֟֝֟֝֟֝֟֓֓֓֓֓֓֓֓֓֓֓֓
					7

SAIC ID Number SB4-3-1 SB4-3-2 SB4-3-4		SB4-2-2	SB4-3-1	SB4-3-2	SB4-3-4
Laboratory Sample Number		13178, 13186	13191, 13200	13192, 13201	13193, 13202
Associated Pield QC Samples		FB4-1	FB4-1	FB4-1	FB4-1
		TB10-31-91	TB11-1-91	TB11-1-91	TB11-1-91
Parameter Units Control Control	Units	EB3-1, 4-1	E84-1	EB4-1	E84-1
SEMINOLATILE UNUANICS (Cock and	*2	*2	2	2
Lincard.		Ç >	ξ 2	ζ 2	5 7
oo(z - Chlorothyr)ctaet	SA SA	S	£ 2	*	£ ;
2 - Dichlosphanana		100	1100	1200	585
4. Disklaratore			0.00	0.69.0	0.550
1,4 — Dichlorobenzene 1,2 — Dichlorobenzene	9	11 25 0	0 /90	0.63.0	11 05 0
2-Methylphenol		O V) ▼ 2) Y Z	Ž
2.2"-orvbis(1-Chlorogromes)		Z Z	€ ×	Z Z	ξ Χ
4-Methylphenol	ine/ke	×	×	×	×
N-Nitroto-di-N-propylamine	ins/ke	×	×	Ž	×
Hexachloroethane	e/ke	Ž	ž	×	ž
Nitrobenzene	me/ke	×	Z	Ž	×
sophorone	HEAR	ž	Ž	Z	Š
2-Nitrophenol	ne/ke	ž	ž	ž	Y Z
2.4-Dimethylphenol	HERE	Ž	Ž	Z	ž
bis(2-Chloroethoxy)methane	ne/ke	×	Z	ž	×
2.4 - Dichlorophenol	ne/ke	Ž	Ž	Ž	Š.
1.2.4—Trichlorobenzene	me/ke	×	Ž	×	×
Naphthalene	ne/ke	×	ź	Z	₹Z
4 - Chloroan iline	Me/Kg	٧X	٧z	٧X	٧×
Hexachlorobutadiene	HEAR	₹ X	YZ	₹ Z	Y _N
4-Chloro-3-methylphenol	HEAKS	٧X	₹ Z	٧x	4 ×
Hexachlorocyclopentadiene	HEAR	٧X	٧z	٧x	¥
2,4,6-Trichlorophenol	HEVE	٧×	٧×	¥	¥
2-Methylnaphthalene	# ByBri	ž	Y	٧X	¥
2,4,5—Trichloorophenol	Hg/kg	¥	۲ ۲	×	\ Z
2-Chloronaphthalene	HE/KB	∢ Z	۲ ۲	< Z	۲ ۲
2-Nitrosniline	HE/KB	۷ ۲	¥	₹ Z	¥
Dimethyl phthalate	#g/kg	¥.	ž	ž	₹
Acenaphthylene	#B/KB	× Z	Y Z	YZ :	₹
2,6-Dinitrotoluene	HE/KB	₹:	Y :	Y :	Ž:
3-Narossiine	#E/KB	¥ Z	Y Z	₹ Z	¥ Z
Acenaphthene	HE/KB	∢ Z	∢ Z	₹	ž
2.4 - Dintrophenol	HE/KE	₹ Z	₹ Z	X:	KZ:
t Narophenol	HE'KB	ž:	¥ ;	₹ :	Š:
Dibenzofuran	HB/KB	Y:	¥:	Y :	Y
Z4Unatrotoluene	EX.	Ž:	Š:	₹ :	Y :
Decrey parasists	FEVE	<u>ج</u> ج	S ?	S 2	۲ :
	E A	4	4 2	E 2	۲ ×
- Newson State		<	C 2	Ç ∢	(A
4. Cinitoral methologon		(₹ 2	₹ 2	(4
Newsodishesslessies (1)		2	ξ 2	2 2	2 2
(-Bromonheavi pheavi ether		ξ Χ	< ×	. ×	(X
Hexachlorobenzene	me/ke	ž	×	×	×
Pentachlorophenol	ne/ke	×	*	×	Ž
Phenanthrene	re/ke	ž	ž	ž	×
Asthracene	Ž	×	Y _Z	×	Y Z
Carbazole	1	ž	ž	ž	٧x
di-X-Batyl obthalate	400	***		11	
		C E	<z< td=""><td>₹z</td><td>₹ Z</td></z<>	₹z	₹ Z

=				
Results (199	(Continued	SB4-3-4	13193, 13202	
l and Sedimet	Vayne, Indiana	SB4-3-2	13192, 13201	
pill Arca – Soi	al Guard, Ft. V	SB4-3-1	13191, 13200	
on: Site 4 – POL S _l	Indiana Air Nation	SB4-2-2	13178, 13186	
Table B-14. Data Presentation: Site 4 - POL Spill Area - Soil and Sedimet Results (1991)	122nd Tactical Fighter Wing, Indiana Air National Guard, Ft. Wayne, Indiana (Continued)	SAIC ID Number	Laboratory Sample Number	

Associated Field QC Samples		FB4-1	F84-1		PB4-1
•		TB10-31-91	TB11-1-91	TB11-1-91	TB11-1-91
Parameter	Units	EB3-1, 4-1	EB4-1	E84-1	EB4-1
SEMIVOLATILE ORGANICS	(SOW 3/90)				
(Continued)					
Pyrene	HE/KE	¥	Y Z	Y Z	Y X
Butybenzylphthalate	HE/Kg	¥z	₹	۷z	¥
3,3'-Dichlorobenzidine	Here	₹	۲ ۲	٧×	¥X
Benzo(a)anthracene	HE/Kg	¥×	××	₹ Z	¥
Chrysene	mg/kg	¥	¥	Y Z	Y.
bis(2-Ethylhexyl)phthalate	HE/KE	∀ Z	٧x	₹z	₹
di-N-Octyl phthalate	HEAL	∀ Z	×	×	×
Benzo(b)fluoranthene	Fe/kg	۲×	×	₹	Y _N
Benzo(k)fluoranthene	HE/KE	¥ _N	×	₹	¥
Benzo(a)pyrene	HEAR	¥×	¥x	٧×	¥
Indeno(1,2,3-cd)pyrene	HEYE	∀ Z	٧x	٧x	٧×
Dibenzo(a,h)anthracene	#S/Kg	₹ Z	××	₹	¥
Benzo(g,h,i)perylene	HEAR	∀ X	Y _N	٧X	٧X
TICTotal	HE/KE	¥ Z	×	٧X	×

1 — estimated value

N — spiked sample recovery outside of control limits

NA — not analyzed

U — compound/element was included in analysis, but was not detected

— duplicate sample analysis outside of control limits

(1991)	
nples (disna
er Sat	-
dwat	F. Vav
iroundwater S	Ē
)	Guar
- POL Spill Area	Vir National Guard
L Spil	Ž
\mathbf{z}	-
_	
Data Presentation: Site 4 - F	e Indians
ation:	Ę
cscol	ishte
ta Pr	H Tay
 0	L
E-15	1990d Tantinal Righter Wine
Table E-15. Data Presentation	

			70-14	MW4-02 MW4-02K	1
Laboratory Sample Number		14357	14358	14359	14397
Associated Field QC Samples		FB21	FB2-1	FB2-1	FB2-1
•		TB11-6-91	TB11-6-91	TB11-6-91	TB11-7-91
Parameter	- 1	BB2-1	EB2-1	EB2-1	EB2-1
TPH as Gasoline		0.05 U	0.05 U	0.05 U	٧×
TPH As Diesel	mg/L	0.05 U	0.05 U	0.05 U	0.52
IPH As Motor Oil	mg/L	0.5 U	0.5 0	0.5 U	0.S U
INORGANICS					
Antimony	.Non	××	ž	¥X	×
Arsenic	You.	Z Z	ž	×	×
Reryllium	Vo.	Ž	X	¥	Ž
Cadmium		: Z	. Z	. A	: ×
		5 2	; ×	5 2	
	167	¥ ;	ξ;	¥ ;	£ ;
Copper	He/L	¥ S	¥ ?	YZ;	¥;
Lead	HEAL	S)	701	11.6	10.6
Mercury	#6/L	₹	۷ ۲	۷ ۲	₹ Z
Nickel	Mg/L	Y X	Y Y	Y X	¥ Z
Selenium	T/an	×	₹2	×	¥
Silver	ne.	¥Z	Z	X	YZ.
Thallium	Trov.	Y.	×	Y.	¥
Zinc	Feb.	Y Z	Y.	Y X	Y Z
	10000				
VOLATILE UNGANICS (SUW 3/30)	(De/E M	**	7	*2	**
	184 1	S :	C 7	£ ;	ξ;
Dromomet nane	16	4	۲ ×	4	₹ : 2. 2
Vinyl Caloride	HEVE	4	V 7	Y :	₹ ?
Chloretaine	LEAT.	4	₹ ?	V :	€ ;
Metaylene Chioride	1681	4 2	4	€ 2	₹ ?
Actione	1/8/1	¥ ;	4 ?	۲ ;	₹ ;
Caroon Distinge	Hg/L	£ ;	V •	4 ;	4
1,1 - Dienforgenene	HB/L	£ ;	£ 2	E 2	*
1.1 - Dienfordinand	HENT.	S 2	< <	۲ <u>۲</u>	4
1,2-Dichloroethene (10tal)	No.	¢ ;	K	4	₹ ;
	184	Y :	۷ :	Y ;	¥ ;
1,4-Dichlorethane	Hg/L	K 2	€ ~	C 2	K
2-Dylanone	HENT.	4	£ 7	K 2	4 2
1,1,1 - I richiolocidane	TENT TO	¢ ;	£ 2	£ 2	¢ •
Department of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the con		C 2	£ 2	5 2	< <
DOMESTICATION OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY	18	X	(*	C 2	(*
1,4 - Denotopiopane ci-12 - Dickleronmone	100	C 2	(4	C	<
ra-1,3-Dramotopiopere	Taget.	(*	(4	((2	(<
Dibromochloromethene	1	C 4	C 4	C 42	C 2
1.1.2. Tricklosombane	1 V 0 11	C 4	2	(4	C 42
Personal Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Prope	1	11 20	1150	11.50	11 50
Den zene Irane – 13 – Dicklosopropana		C ▼) () ()	C 42	? ∀
Romoform		(. Z	ζ γ	(4
4-Methyl=2-neutenone	1 ye	Ç ∀	. X	: X	(A
2-Hexanone	Ven Ven	Ž	Z	×	Ž
Tetrachlomethene	Tel.	Ž	Z	×	Ž
1,1,2,2-Tetrachloroethane	79	∀ X	YZ.	¥Z	₹X
Toluene	me/L	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	Tom	0.5 U	0.5 U	0.S U	0.5 U
Ethylben zen e	1	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	16. J.	1 U	10	ומ	10
Xylene(Total)	HeA.	Y	٧x	\	¥ Z
M-P-Xylene	T/an	<u> </u>	10	זכ	=
					•

Table E-15. Data Presentation: Site 4 - POL Spill Area - Groundwater Samples (1991)
122nd Tactical Fighter Wing, Indiana Air National Guard, Ft. Wayne, Indiana (Continued)

Laboratory Samples Number Associated Field QC Samples Parameter SEMI VOLATILE OR CIANICS (SOW 3.99) Phenol Phenol Li3-Chlorophenol Li4-Dichlorobenzene Li4-Dichlorobenzene Li2-Dichlorobenzene Li2-Dichlorobenzene Li2-Dichlorobenzene Li2-Dichlorobenzene Li2-Dichlorobenzene Li2-Dichlorobenzene Li2-Dichlorobenzene Li2-Dichlorobenzene Li2-Dichlorobenzene Li2-Anthylphenol M-Nitrobenzene Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone Lipphonone	TB11-6-91 TB12-1 TB13-6-91 TB2-1 TB3-990)	14358 14358 FB2 – 1 TB11 – 6 – 91 EB2 – 1	14359 14359 FB2 – 1	F21 14397 FB2-1 TB11-7-01
Associated Field QC Samples Associated Field QC Samples Parameter SBMIVOLATILE ORGANICS (SOW 3) Phenol bis(2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Amethylphenol 1,4-Dichlorophenol 1,4-Dichlorophenol 1,4-Dichlorophenol 1,4-Dichlorophenol 1,2-A-Methylphenol 1,2-A-Dimethylphenol 1,4-Dimethylphenol 1,4-Dimethylphenol 1,4-Dimethylphenol 1,4-Dimethylphenol 1,4-Dimethylphenol 1,4-Chlorochonzene 1,2,4-Dimethylphenol 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene 1,2,4-Chlorochonzene		FB2 - 1 TB11-6-91 EB2-1	FB2-1	FB2-1 TB11-7-01
Parameter Parameter SBMI VOLATILE OR GANICS (SOW 3) Phenol bis (2-Chlorophenol 1,3-Dichlorobenzee 1,2-Dichlorobenzee 1,2-Dichlorobenzee 1,2-Dichlorobenzee 1,2-Dichlorobenzee 1,2-Dichlorobenzee 1,2-Methylphenol 2,2'-oxybis (1-Chloropropane) 4-Methylphenol 4-Methylphenol Mrobenzee 1,2-Dichloroelane 1,2-Nitropeneol 1,2-Nitrophenol 1,2-Nitrophenol 1,2-Dichloroelane 1,2-Dichloroelane 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorochonzene 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-Dichlorophenol 1,2-D	• -	FB2-1 TB11-6-91 EB2-1	FB2-1	FB2-1
Parameter SEMIVOLATILE OR GANICS (SOW 3) Phenol bis(2-Chloropthenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Methylphenol 2,2'-oxybis(1-Chloropropane) 4-Methylphenol N-Nitrobenzene 1,4-Methylphenol 1,4-Methylphenol 1,4-Trichlorophenol 1,4-Trichlorophenol 1,4-Trichlorophenol 1,4-Trichlorophenol 1,4-Trichlorophenol 1,4-Trichlorophenol 1,4-Trichlorophenol 1,4-Chlorocanine 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlorocanadiene 1,4-Chlo	• -	TB11-6-91 EB2-1		2.0
Fatameter Fatameter SEMI VOLA TILE OR OANICS (SOW 3) Phenol bis(2-Chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Methylphenol 1,2-Methylphenol 1,2-Mirophenol 1,2-Nitrobenzene 1,2-Nitrobenzene 1,2-Nitrobenzene 1,2-Trichlorophenol 1,2-Trichlorophenol 1,2-Trichlorophenol 1,2-Trichlorophenol 1,2-Trichlorophenol 1,3-Trichlorophenol 1,3-Trichlorophenol 1,3-Trichlorophenol 1,3-Trichlorophenol 1,3-Trichlorophenol 1,3-Trichlorophenol 1,3-Trichlorophenol 1,3-Trichlorophenol 1,4-Trichlorophenol 1,4-Tri		1-793	16-0-1191	16-1-1101
Phenol bis(2-Chbroethyl)ether bis(2-Chbroethyl)ether 2-Chbrophenol 1,3-Dichbrobenzene 1,2-Dichbrobenzene 1,2-Dichbrobenzene 2,2-methylphenol 2,2-mybis(1-Chbropropane) 4-Methylphenol N-Nitroso-di-N-propylamine Hexachloroethane Nitrobenzene Isophorone 2,4-Dimethylphenol bis(2-Chbroethoxy)methane 2,4-Dimethylphenol bis(2-Chbroethoxy)methane 2,4-Dichbrophenol 1,2,4-Trichbrobenzene Naphthalene Hexachloroethoxylphenol 1,2,4-Trichbrobenzene Hexachloroethoxylphenol 1,2,4-Trichbrobenzene Hexachloroethoxylphenol Hexachloroethoxylphenol Hexachloroethoxylphenol Hexachloroethoxylphenol Hexachloroethoxylphenol Hexachloroethoxylphenol Hexachloroethoxylphenol Hexachloroethoxylphenol Hexachloroethoxylphenol Hexachloroethoxylphenol Hexachloroethoxylphenol	3/30)		E82-1	EB2-1
Famol bis(2—Chlorochly))ether 2—Chlorophenol 1,3—Dichlorobenzene 1,4—Dichlorobenzene 1,4—Dichlorobenzene 2,2—Achlyphenol 2,2—Avehlyphenol 4—Methlyphenol 4—Methlyphenol 1,4—Dichlorocethane Nirobenzene 1,6—Methlyphenol 4,6—Chlorocethane 1,6,4—Dichlorophenol 1,6,4—Dichlorocethane 1,6,4—Dichlorocethane 1,6,4—Dichlorocethane 1,6,4—Chlorocethane 1,6,4		•	•	
ii e		YZ.	Y Y	Y Z
ii. e)	We/L NA	٧×	٧x	Y X
in e			٧z	۲ ۲
ija e			0.5 U	0.5 U
in c			0.5 U	0.5 U
ine e)		0.S U	0.5 U	0.5 U
ii e		YZ	٧X	٧X
ii.		Y.	¥	Y.
ine	MEAL NA	٧X	٧×	YZ.
		YZ.	₹ Z	Ž
		Ϋ́	٧x	¥z
		٧×	YZ	Y.
		YZ.	¥	۷z
		٧x	٧X	۲×
	NA NA	Ϋ́	Υ <u>ν</u>	×
		Y.	٧X	٧×
ene he diphenol		٧×	∀ Z	٧X
_		¥	Y.	٧X
_		Y X	٧X	Ϋ́Z
_		¥	¥X	4 2
_	WAL NA	۷ ۷	¥	Y Z
		4 2	۲ ۲	Y Z
		4 2	4 2	₹
		X	¥.	۷ ۲
		YZ:	¥:	X
7		YZ:	¥ :	₹ Z
halene		¥Z:	₹ Z	₹ Z
		YZ :	Y Z	∢
ate	Left.	₹ ;	¥;	₹ ;
		₹ ;	₹ ;	4
Zo-Dinitrololuene	LEAL NA	₹ \$	4	۲ : ۲ : 2
		₹ 2	4	۲ ×
		X X	C 2	C 4
	HEAL.	X X	C 2	€ < Z. 2
Dibersofirm		C 4	C 2	C 2
-		(4	₹ 2	(4
		×	2	Z
obenvi ether		Ž	Z	Y.
		4 2	×	ž
		×	ž	₹Z
-methylphenol	NA NA	YZ	YZ	YZ.
	HEAL NA	۲ ۲	₹	₹ Z
enyl ether		Y X	۷ ۷	∀ Z
•		Y X	٧z	٧
enol		¥z.	٧X	٧x
Phenanthrene Mg		Y Z	٧X	٧x
•	HEAL NA	Ž:	4	X
		X :	Y :	Y Z
phthalate	AN S	¥:	Y ;	Y :
Flactablese 78	PAL NA	S	\ 2	\

SEMI VOLA ILLE URGANIC	(3CM 3/20)					
(Continued)						
Pyrene	mg/L	¥	Y.	٧X	¥Z	
Butybenzylphthalate	ng/L	٧×	Ϋ́N	٧x	٧X	
3,3'-Dichlorobenzidine	mg/L	٧X	Ϋ́	Y.	٧	
Benzo(a)anthracene	mg/L	¥	٧X	٧X	٧X	
Chrysene	Jught.	¥2	NA VA	V.	٧X	
bis(2-Ethylhexyl)phthalate	me/L	Ϋ́	NA VA	Y.	Ϋ́	
di-N-Octyl phthalate	me/L	¥	AN	٧X	٧X	
Ben 20(b) fluoranthene	WR/L	Y.	Y.	¥Z	Y.	
Benzo(k)fluoranthene	me/L	¥	٧X	٧X	٧X	
Benzo(a)pyrene	T/Bm	Ϋ́	ΥN	٧X	٧X	
Indeno(1,2,3-cd)pyrene	WE/L	٧X	٧X	¥Z.	٧X	
Dibenzo(a,h)anthracene	Mg/L	Y.	Ϋ́	۷.	¥Z	
Benzo(g,h,i)perylene	HR/L	Y.	٧X	Y.	٧V	
TIC Total	Mg/L	NA VA	AN	٧X	٧X	
NA 4						

NA-not analyzed U-compound/element was included in analysis, but was not detected

NA NA NA NA NA NA NA NA NA NA NA NA NA N	SAIC ID Number			EW-02	EW-03		EW-06	EW-06	EW-07	EW-08	EW-09
	Associated Field OC Samples		NA NA	NA NA	WA1806		10477004 N	6085290¥	_	COLCZONA VN	MI COMM
	Transfer	Units	<u> </u>	\$	ę	<u> </u>	<u> </u>	•	Č.	C	Ç
	otal Petroleum Hydrocarbons	Vew	1 UVHT	Y.	THAIL	YN.	111	٧N	111	-	111
	NI And Grease			(4	YN YN	Z Z	- ×	₹ 2	- Y	- X	7
	PH as Gasoline	And A	₹ Z	ž	×	ź	X	ž	ž	ž	Ž
No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No.	PH As Diesel	B.	٧Z	ž	~	< Z	4 2	۲ ۲	۲ ۲	YZ.	Y.
1001	IPH As Motor Oil	ng/L	٧	۲ ۲	۲ ۲	۷ Z	۲×	< Z	<u> </u>	<	Y
100 U	WBTALS										
	Untimony	784	1.00 U	٧X	1.00 U	٧X	1.00 U	ž	1.00 U	X	1.00 U
Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Cont	Vrenic	HEAL	2.00 UW	۲Z	2.00 U	Y Z	2.00 UW	٧ ٧	4.30 J(B)	۲×	2.00 U
DAMPOONEDS	Seryffium	781	2.00 U	₹ Z	2.00 U	Y.	2.00 U	YZ:	2.00 U	٧	2.00 U
	Admice	787	2.00 U	Y.	2.80 U	Z:	2.00 U	Y :	2.00 U	¥:	2.00 U
Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Cont	Problem	19	13.90 U	Y :	13.90 U	۲ :	13.00 U	₹ ;		Ž:	13.00 U
	opper	100		< < Z 2	222	< < Z 2	2	C 2	2 2 2	\$	19.00 U
1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000	Ancien		Š.	€ ₹	Ω E	C 4	Ę.,	₹ 2	Σ E	<	2.30 J(MIS,IS)
1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000	lighei		12.00 U	₹ ₹	12.00 U	(<	12.00 17	(∢	13.00 13	< *	12.00
200400000 20040819)	elenium	7	3.00 U	₹ Z	3.00 U	ď Z	3.00 U	۲ ۲	3.00 UW	ź	3.00 U
70000000000000000000000000000000000000	ilver	Ž	11.00 U	₹ Z	11.00 U	¥ Z	11.00 U	۲ ۲	11.00 U	¥	11.00 U
	ballium	4	N N N	₹ ₹	⊃×	₹ ₹	7.80 2.80 2.80 2.80 2.80 2.80 2.80 2.80 2	< < Z. Z	2.86 2.00 2.00	₹ ₹	2.86
	į	à		\$	۲.	5		:	3	\$	É
	OLATILB ORGANIC COMPO	NDS									
	bloromethane	787	Y:	¥;	¥:		¥.		D :	2	2 2
	Visual Children	TAN .	€ 4	₹ ₹	€ ₹		K X X		2 5	2 5	2
	Monochane		ξ 4	€ 4	₹ 2		< *		2 5	2 5	
	dethylene Chloride	1	ξ×.	(<	< ×		< ×		2 2	4	•
	voetone	187	۲ ۲	۷ ۲	\ 2		××		72	\$	=
	arbon Disulfide	7	Y.	Y	YZ:		X:		S	n s	D.S.
	1 - Diction of there	1	4	₹ ?	Y 2		K 2		2:) :	2
	2-Dichloroethene (total)		X X	((Z	ζ Χ		< ₹		2	2	
	hloroform	1	¥.	٧	× z		¥.		, 2 3	, %	, %
	.2-Dichloroethane	7	YZ:	۷ :	¥:		YZ:	J. E.	3 C	ה ה	3.0
**************************************	- Butanone 1.1 - Tricki granthana		∢ 	∢ ∢ Z 2	V 2		< < Z 2	9 7	2 5	2:	0 0 C
### ### ### ### ### ### ### ### ### ##	arbon Tetrachloride		Ç X	((< <		ζ ζ	2 5	2		200
	'inyl Acetate	Ž	₹ Z	₹ Z	Y.		¥ Z	10 01	D 01		100
### #### #############################	romodichloromethane	7,	X :	۷ : 2 :	¥:		¥:	D:	กร		n s
### ### ### ### ### ### ### ### ### ##	s = 13 = Dichlorograpene		< <	< < ≥ Z	< <		< <	200) <u>~</u>		2 2
*** *** *** *** *** *** *** *** *** *** *** *** ** *** *** *** *** *** *** *** *** *** *** *** *** ** *** *** *** *** *** *** *** *** *** *** *** *** ** *** *** *** *** *** *** *** *** *** *** *** *** ** *** *** *** *** *** *** *** *** *** *** *** *** ** *** *** *** *** *** *** *** *** *** *** *** *** ** *** *** *** *** *** *** *** *** *** *** *** *** ** *** *** *** *** *** *** *** *** *** *** *** *** ** *** *** *** *** *** *** *** *** *** *** *** *** ** *** *** *** *** *** *** *** *** *** *** *** *** ** *** *** *** *** *** *** *** *** *** *** *** *** ** *** *** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** **	richlaroethene	Ž	۲×	₹ Z	×		¥Z	o s	s o		o s
### ### ### ### ### ### ### ### ### ##	ibromochioromethane	3	4 2	¥ :	X 2		4))	> :		
### ### ### ### ### ### ### ### ### ##	1,4 = 11top of Octobroe		< <	< < z z	< < 2 2		< <	2 5) = ^ ~		2 2
	ans-1,3-Dichloropropene	1	Š	ž Ž	۲ ۲		ž	3.0	2 5	. s	2.2
N	romoform	787	٧X	۲ ۲	٧×		۲×	o s	S U	S U	o s
### ### ### ### ### ### ### ### ### ##	- Metbyl - 2 - pentanone	797	Ž:	۷ : 2 :	Y :		¥ ;	2:	D 01	D 92	2
N	- nexamons errachlorostbene	7	∢ ∢ z z	< < z z	₹ ₹		< <	2 -	2 -	2 -	2 -
N	1,2,2-Tetrachloroethane	7	¥ Z	Š	ž		Ž	200	2 2	2 2	2 2
197	oluene	4	٧X	۲×	×		۲×	SU	S C	3 C	n s
N	blorobenzene	787	4 2	۲ ۲	¥		¥ Z	S U	o s	n s	o s
N	thylbenzene	1	Y	Š:	¥:		X:	o s	o s	S	2 C
N	lyene Seel Weene		₹ 2	₹ \$	4 3		4 4 2 2	2	2:	2:	25
N	-Chloroethy Viny Ether		Ç X	((< <u><</u>		ζ ζ) 9	2 2	2 2	2 2
### ### ### ### ### ### ### ### ### ##	domethane	ğ	۲ ۲	¥	٧		¥ Z	10 C	10 U	200	D 91
	grofeln del term	7	¥.	₹:	Ž:		¥:	9 :	9	9 :	\$
100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA NA 100 NA NA NA 100 NA NA NA 100 NA NA NA 100 NA NA NA 100 NA NA NA NA NA NA NA NA NA NA NA NA NA	Anyonitie	7	₹ 2	く ₹ 2	₹ \$		< < 2	? :	2 :	? ?	* :
100 NA NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA 100 NA NA NA 100 NA NA NA NA 100 NA NA NA NA NA NA NA NA NA NA NA NA NA	.23 - Trichloromonne	7	(<	(₹ 2		< ×		2 9	2 9	2 9
101 101 101 101 101 101 101 101 101 101	4-Dichlorobutane	4	¥	×	X		ž	101	D 92	2	1 9
100 NA NA 300 NA NA 100 NA NA NA 0.00 NA NA NA NA NA NA NA NA NA NA NA NA NA	thy Methacylate	7	¥.	۲ ۲	¥:		Y :	200	J 01	2 2) e
	richlorofluoromethane	3	₹ 2	<	< >		4 4 2 2	2 5	2 5	2 5	2 2
	real of Sell store Sure many IC Totals		(<	(<	ζ ∢		₹ ₹	2	2 4	? *	? ? ∡

A A A A A A A A A A A A A A A A A A A	NA	Laboratory Sample Number	EW-01 90021710		EW-02 90021711	EW-03	EW-04 90022314	EW - 05 90022401	EW - 06 90023605	EW-07 90024901	EW-08	90025104
		sociated Field QC Samples			¥	X X	¥			٧	¥X	¥
		MIVOLATILE ORGANIC COM	SONDS									
		enol	7	2:	۷ : ۲ :	2 :	Y :	10 R(EHT)		10 C	٧ ٢	O 01
		(secondonal Coloropherol		===	< < 2 2	2 5	4	10 K(EHI)		2 5	₹ :	2:
		- Dichlorobenzene	7	2	< Z	S O	ž	S R(BHT)		200	(<	2 2
	# 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dichlorobenzene	H8/L	ח	¥	S U	٧X	S R(EHT)		S U	ž	S
	# # # # # # # # # # # # # # # # # # #	nzyl Alcobol	79.7 79.7	>	4	20 C	٧	20 R(EHT)		20 U	Š	20 C
		- Dicalorobenzene			۷: ۲:	2.5	Y:	S R(BHT)		n s	¥:	S U
		metuji pasion 12 – Chloroleomomikather		2 =	(<u> </u>	2 5	< *	O K(EHI)		2 :	Z Z	2 ;
		Methyl phenol		2=	(4	2 5	€ 2	THE ALL		2 5	\$ \$	2 5
	S	Nitroso - di - N - propylamine			Ž	2 =	¥2	THE SERVICE STATES		2 5	₹ 2	2 5
		xachloroethane		5	×	100	2	10 R/RHT)		=	X	2 5
### 1	S	гореплепе		2	ž	200	×	10 R/EHT)		2	₹ Z	2 5
		phorone		ם	ź	100	ž	10 R(RHT)		2 91	. ×	2 2
	Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Sect	Nitrophenoi		2	×z	101	×	10 R/RHT		=	2	2 5
	Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Sect	-Dimethylphenol		2	ź	100	Ž	10 R(BHT)		2	: ×	2 2
	## ## ## ## ## ## ## ## ## ## ## ## ##	naoic Acid		ם	×	20 00	Ž	SO R/EHT)		20 05	×	9
Column	Column	2-Chloroetboxymethane		ב	ź	100	×	10 R(RHT)		2 2	: ×	2 5
Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second S	Column	-Dichtorophenol		ח	ž	100	ž	10 R/EHT)		2 91	* ×	9
Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second S	Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column C	4-Trichlorobensene		2	×	10 17	×	10 R(RHT)		2	: ×	2 5
### ### ### ### ### ### ### ### ### ##	## 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA	obthalene		5	ź	10 17	×	10 R(RHT)		2 9	; ×	2 5
	Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column C	Chloroaniline		ב	ź	70 C	×	20 R(EHT)		20 02	₹ 2	2 %
### ### ### ### ### ### ### ### ### ##	Column	mediorobutadiene		2	ź	200	Ž	10 R/RHT		2 2	2	2 5
### ### ### ### ### ### ### ### ### ##	## ## ## ## ## ## ## ## ## ## ## ## ##	Chloro - 3 - methyl phenol		2	ž	10 01	Ž	10 R(EHT)		2 2	Ç ∀	2 2
## ## ## ## ## ## ## ## ## ## ## ## ##	Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit	Methylnaphthalene		מ	ź	10 01	Z	10 R/EHT)		10 01	Z X	2 9
## 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 0 N N 10 N N 10 N N 10 N N 10 N N 10 N N 10 N N 10 N N 10 N N 10 N N 10 N N 10 N N 10 N N 10 N N 10 N N 10 N N 10 N N 10 N	### 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 N	mechlorocyclopentadiene		2	ź	10 01	ž	10 R(EHT)		2 92	: Z	2 9
Fig. 1	##1 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50 U NA 50	6-Trichlorophenol		2	ž	201	¥	10 R(EHT)		2 9	< ×	2 9
Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second S	Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit Bit	5 - Trichi orophenoi		.	Ş	20 00	ž	SO R(EHT)		: S	Z	9
Black Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street Street St	Column	Chloronaphthalene		ם	×	10 12	×	10 R/EHT		2	2	2 2
Column	### 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 N	Nitroaniline		2	ž	20 00	ž	SO R(EHT)		: S	X X	= 5
### 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 N	State	pethylphthalate		ח	×	10 0	¥ X	10 R(EHT)		2	×	2 0
Heat	Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second S	naphthylene		2	š	10 U	ž	10 R(EHT)		D 01	×	200
High 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 10	High SO NA SO NA SO NA SO Relf	-Dinitrotoluene		-	۲×	10 C	×	10 R(EHT)		∩ 9 2	۲ ۲	D 01
Fig. 10 U	High High NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 1	Nitroeniline		2	۲×	20 C	¥	SO R(EHT)		20 0	×z	20 €
Fig. SO U	Heat SO U	naphthene		2	¥	20	ž	10 R(EHT)		D 01	Y Z	1 9 1
## ## ## ## ## ## ## ## ## ## ## ## ##	Elber Fight 10 U	-Dini trophenol		2	Š	20 C	¥	SO R(BHT)		20 €	٧x	20 0
Elber 1971	## ## ## ## ## ## ## ## ## ## ## ## ##	Nitrophenol		2	¥	20 C	ž	SO R(EHT)		⊃ 8	< z	200
Fight 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to NA 10 to	Hart	enzofuran		-	۷ ۲	2	ž	10 R(EHT)		200	ž	200
Hart	## 10 U NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0 (EHT) NA 20 0	-Dinitrotoluene		ם:	×	10 C	ž	10 R(EHT)		1 9 C	Y X	O 01
Super	State	inyiphihalate		2	۲ ۲	200	ž	10 R(EHT)		⊃ 9	ž	2
State	## ## ## ## ## ## ## ## ## ## ## ## ##	Chlorophenyl – phenyl Ether		2	Š:	⊃: 82:	ž	20 R(EHT)		⊃ 8 2	Y	⊃ %
Fight South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South NA South	## 10	orene		5 ;	¥:	2	ž	10 R(BHT)		10 C	Y Z	⊃ 9
Biber High No	## ## ## ## ## ## ## ## ## ## ## ## ##	Neroenitine		5	Š.	200	¥	SO R(EHT)		20 00	۲ ۲	⊃ 8
Color	State	- Dinigo - Z - methyppenol		=	<	200	¥	SO R(EHT)		20 €	ž	2
Street 190	Street	Nitrosodi phenylamine		2	٧Z	10 C	₹	10 R(BHT)		D 01	٧×	D 01
### 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 N	### 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 N	Bromophenyl – phenyl Bither		>	≺ Z	2	¥	10 R(EHT)		D 01	4 Z	10 C
## ## ## ## ## ## ## ## ## ## ## ## ##	## ## 30 U NA 30 U NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 U NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) RAM 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) NA 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT) RAM 10 R(BHT)	metiorobensene		2	₹ Z	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	×z	10 R(EHT)		⊃ e	۲ ۲	200
## ## ## ## ## ## ## ## ## ## ## ## ##	## 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U U NA 10 U U NA 10 U U NA 10 U U NA 10 U U NA 10 U U NA 10 U U NA 10 U U NA 10 U U NA 10 U U NA 10 U U NA 10 U U NA 10 U U NA 10 U U NA 10 U U NA 10 U U NA 10 U U NA 10 U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U NA 10 U U U U U U U U U U U U U U U U U U	stachloroppenol		.	< Z	⊃ 9	¥	30 R(BHT)		2	٧	⊃ &
	10	manthrene		= :	₹ Z	200	< Z	10 R(BHT)		D 01	۷ ۷	10 C
### 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 N	### 10 U NA 10 U NA 10 U NA 10 U NA 10 U (EHT) NA 10 U L NA 10 U NA 10 U (EHT) NA 10 U NA 10 U NA 10 U (EHT) NA 10 U NA 10 U NA 10 U (EHT) NA 10 U NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U C (EHT) NA 10 U NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (EHT) NA 10 U C (Inracene		.	< Z	200	۲ ۲	10 R(EHT)		10 10	< Z	⊃ 9 I
### 10	### 10	N - Butyphthalate		> :	∢ Z	2	YZ:	10 R(EHT)		2	۲×	7 0.
######################################	######################################	or ambene		2	۷ ; ۲ ;	2:	۷ ;	10 R(EHT)		2:	4 :	2
### 20	### 10	disconduction of the state of		:	ξ;	2:	\$:	10 K(CHI)) 2	₹	0 0
### 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 NA 100 N	### 100 NA 100 NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA 108(EHT) NA	- Distinguishers -	•		ς : Σ	2 :	¥ ;	10 K(EHI)		2:	Y :	2
### 10	### 10	- District Cochiada de			く < 2 2	2 5	₹ ?	M K(EHI)		3 5	₹ :	⊃: 8:
		Weine			(<	2 5	€ 2			2 5	C 2	2 5
### 10 U NA 10 U NA 10 R(EHT) NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U	### 10 U NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(EHT) NA 10 R(E	2 - Ethylberyf)phthalate			. ×	2 2	ζ Χ	10 R/RHT		2 5	C 4	2 5
### 10 U NA 10 R(EHT) NA 10 U NA 10 R(EHT) NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA	### 10 U NA 100 NA 106(EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA 10 (EHT) NA	N-Octyl ptsthalate	,		×	200	< ×	10 R/EHT)		2 2	< ₹	2 9
#gf_ 10 U NA 10 U NA 10 R(EHT) NA 10 U NA 10 L Hgf_ 10 U NA 10 U NA 10 R(EHT) NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U	### 10 U NA 100 NA 108(EHT) NA 10 10 10 10 10 10 10 10	ao(b)fluoranthene	•		₹ Z	000	×z	10 R(EHT)		100	<u> </u>	2
10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA	10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA	sao(k)fluoranthene			×	10	×	10 R(EHT)		7 91	. ×	2 9
AN 10 NA 10 NA 10 KEHT) NA 10 U NA 10 KEHT) NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA 10 U NA	AN 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10 NA 10	ao(a)pyrene	•		4	10 01	ź	10 R(EHT)		2	ž	2
THE TOU NA TORIGHT NA TOUR NA TOUR	AN 10 NA 10 NA 10 NA 10 NA 10 NA 10	eno(1,2,3-cd)pyrene			₹ Z	10 U	×z	10 R(EHT)		2 02	ž	2 9
		enao(a,b)anthracene	•		ž	1 9 1	×		×	2 91	X	=======================================

SARC ID Number	EW-01	EW - 02			0047-100 00417-401	EW-W EW-U	CW-0/	EW-WE EW-W	EW-PS
Associated Pield OC Samples	Y _Z	¥X	V.	٧X	٧×	¥	٧×	¥.	Y X
Personator	Unite								
SEMINOLATILE ORGANIC COMPOUNDS	SOMOS								
(Commence)	5			5		3	11 43	;	
	2 5	o :	2 5	¢ 2		C <	2 5	< ±	2 5
Marked Mathematicipants		> =	2 5	(4		(4	2 5	2 2	R 5
Colone Machinera d'America	2 5	· =	? 5	2 2		2	? 5	E 2	\$ \$
Anitha	9 5		2 5	(*		₹ 2	? 5	C 4	? 5
Actonhenore	2 5	· =	5	C ×		(4	? 5	Z 2	2 5
N - Mitroscotione	9	. =	2 9	Z Z	S R(RHT)	ž	; 3	Y N	3
Dimethologicaling	\$. =	5	X	CHAPA S	X	3	. ×	5
2 4 - Dichloroshepol	3	. =	9	(*		2	? 5	₹ 2	5
N = Nitroen - di - N = buttamine	\$ 5	·=	2 5	(*	(H) 3	ž	? 5	\ X	3
1.2.45 - Tetrachtorobenzene	2	. =	? ?	* * *	S 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	¥	9	×	3
- Orionometrialene	Š		95	× ×	SECENT	×	3	Z	3
Perceptonhenzene	5	,=	9	×		ž	: : 5	ž	5
- Nambehdami pe	\$ 5	. =	5	X X		ž	: : 5	× 7	5
2 - Nambethalani ne	\$. =	; 5	X X		×	3	× ×	5
1.2 - Disheral bades sine	5	. =) = }	< ×		¥ X	: 5	X	3
Phonocetin	9	. =	5	* * *	(HE) 2 5	ź	3	×	5
4- Aminobinheon	9	. =	9	Z Z		Ş	; 5	Ž	5
Pronamide	S		7 95	×	S REHD	¥	3	×	3
Benzidine	3	. 5	2 %	×	S ZEHD	ž	3	×	3
p-Dimethylaminoszobenzene	S	- -	2	×	S RIGHT	×	3	×	2
12-Dimethythenao(a)anthracene	#p/L	5	⊃ 9 \$	Υ.	S R(BHT)	¥	⊃ X	٧	3
3 - Methyt cholanthrene	3	5	20 €	¥	S R(BHT)	¥	20 ℃	۲×	3
TIC Total	ž	XX	¥2	۲×	¥	ž	*	ž	¥
- average contrade and average contrade	900								
CACAMOCHICANING FEST ICIDES	_	2	2	- W	*	7	2	7	2
		£ \$	£ 2		Ç	£ 3	Ç	£ 2	£ 2
		\$	S 2		£ ;	K 2	C 2	\$ \$	\$;
		۲.,	۲ :		£ ;	ζ;	S :	E ;	E 2
		۲: ت	£ :		£ ;	£ ;	£ ;	£ ;	£ ;
represent		≨ :	~ :		S :	E :	\$:	₹	\$:
		\$ \$	S 2		ξ ς	£ 2	۲ <u>-</u>	<u> </u>	4 2
Deducated Especial		\$ \$	\$ \$		۲ <u>۲</u>	2 2	C 2	2 2	2 2
Edocument - 1		£ 2	£ 2		ξ 2	2 2	C 2	S S	< <
		\$ \$	C		€ 2	2 3	C 2	\$ \$	۲ <u>۲</u>
		\$ \$	5 2		₹ 2	2 2	C 2	¢ 2	Ç 4
Dodonistics[5		₹ 2	C →		€ 3	₹ 2	₹	2 2	(*
44'-DDD		\ X	₹ 2	1 91 6	¥.	{ ₹	₹ 2	< ×	₹ 2
Catalo Aldebudo		2	2		*	* 2	2	2	*
Endowitten Cuffee		₹ 2	2	1 61 6	. ×	X	₹ 2	₹ 2	{ ★
4 4'-DDF			Z 7		* *	* 2	2	2	<u> </u>
Methodski		₹ ≥	2	2 ×	£ 3	\ 2	(<	2	<u> </u>
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		S S	€ 2	2 × 6	£ 3	2 2	(4	2 2	ζ ς
		£ \$	2 2		< <	£ 2	C 2	2 2	(
A control 1936		2 7	2 2	3 5	\$ \$	2 2	ξ <u>2</u>	2 2	2 2
Accident 1991		\$ 3	2 3		£ 3	2 2	ζ 4	2 2	ξ 2
And dec 12.21		(* Z	¢ 2		\$ *	2 3	ξ 2	2 2	2 2
7671 - 1000		C .	\$		£ ;	2 2	S 2	< :	\$
Arodor - 1242		\$	C :	3	£ :	£ ;	۲ : د :	ć i	ζ ; Σ 2
Arodor - 1248	Z .	S :	S 2		<u> </u>	< :	< ;	S ;	₹ 2
Arogor - 124		\$	~		<	<	< Z	4	
****				1			::		ξ;

B — the reported value is estimated because it is greater than the first unsern Detection Limit (IDL), but keps than the Contract Required Detection Limit(CRDL)

BIT — extraction bolding time outside control limits

BIT — extraction bolding time greater than control limits

J — estimated value

MB — compound-between was also detected in the associated laboratory method blank

MB — compound-between was also detected in the associated laboratory method blank

MB — compound-between was also detected in the associated laboratory method blank

MB — compound-between was also detected in the associated laboratory method blank

MB — compound-between was also detected in the associated laboratory method blank

MB — compound-between was also detected in the same not detected

U — compound-between was included in analysis, but was not detected

W — post—dispesion spike for Grapbite Furnace Atomic Ab or palon (GFAA) analysis is out of control limits (65—115%), while sample absorbance is less than 56% of the spike absorbance

Table B-17. Data Presentation: Equipment Blanks (1991) -- 122nd Tactical Fighter Wing, Indiana Air National Guard Ft. Wayne, Indiana

Marcostrons 14266 14265 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361 14361	14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 14265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 12265 1226	Manage Senate Named		PIA-I	E81A-1 E81-1 E82-1		EB3-1	- 194
### Control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Marcottane Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units Units U	to the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se		14266	14265	14361	13179	13194
Acceleration	### Address #### #### #### #### ###############	Modules rieid QC Samples	linite					
Marconine	### A 2 Control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of th		Diag.	1		11.		1
Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Activities Act	A Colored mg/L NA NA NA NA NA NA NA NA NA NA NA NA NA	Xai regoeum nyarocaroom		- 5		2 :	2 :	2 2
Main	Motor Oil		1	Ç ;	5 5	•	7 2	2 2
Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marco Marc	Moor Oil	Transporter	Į,	۲ ;	ξ:	S :	<u> </u>	£ }
LLS LLS LLS LLS LLS LLS LLS LLS	Motor Oil	PH As Diesel		Š.	< .	S	< 2	8
Maintain	14 14 14 14 14 14 14 14	PH As Motor Oil	ng/	Y.	\$	٧ ٧	₹ Ž	93 0
Name	Main	9 4 4 40						
10 10 10 10 10 10 10 10		bi ALS	V ***			MALL	*	2
10 10 10 10 10 10 10 10		manus de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la comp					{ *	Ž
Main	Name		1	=	2 =	2 =	2	ž
Name	Maintenance March 10 10 10 10 10 10 10 1			2 :	á	2 =	2 2	2
Name			3	2:	(a):	2 :	£ :	2 2
Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part	Page	Grown or a second	1	2	2) : 	¢ ;	¢ ;
Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Variety Vari	10	opper	#8/L	3.7 J(MB,B)	4.3 J(MB,B)	0 Z	Ž:	S
Page	### 02 U 02 U 02 U 02 U 02 U 02 U 02 U 0	pes	ž	2	2	2	< Z	-
### ### ### ### ### ### ### ### ### ##	March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March Marc	(dcury	HEAL.	0.2 U	0.2 U	0.2 UX(HT)	۲	ž
Main	Mark	lotei	787	n 9	n •	0.9	۲ ۲	ž
National Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of	Marcachane	lenium	7	1 UKN)	1 UKN	1 UKN)	×z	×
### ### ### ### ### ### ### ### ### ##	### ### ### ### ### ### ### ### ### ##	1	No.	2.0	2 U	2 UKN)	×	ž
A. Y. M.B. B)	### 8.4 J(MB.B) 6.2 J(MB.B) #### 8.4 J(MB.B) 6.2 J(MB.B) #### 8.4 J(MB.B) 6.2 J(MB.B) ##################################	tallin m	. No.	2 -	=	10	×	ž
TLE ORGANIC COMPOUNDS 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U		8	To a	8.4 XMB.B)	6.2 XMB.B)		×	ž
				•	•			
		OLATILB ORGANIC COMPO	SONG					
		hloromethane	7	200		10 C	10 U	×
Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea	Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea Idea	romomethane	18	20	D 01	⊃ 9	⊃ 91	=
thane the wight 10 U 19 U 19 U 19 U 19 U 19 U 19 U 19 U	thane	land Chloride	HEAL.	D 01	1 9 C	1 0 C	200	×
Districted	Districted	bloroethane	TO ME	D 01	19 C	10 C	○ 01	=
District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District	District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District District	lethdene Chioride	W.		2.0	S U(MB)	S U	•
Distultible	Distultible	Set One	E an	=	2 9	10 1		2
historethene help. 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5	historethene	action Dissillide		==	=	2.5		
Macroellane MgL S S S S	Macroculeans	1-Distinguished				=	=	. •
Macrochemic Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark	Macrochemic Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark	1 - Dicing of thems			. :	=	2 5	•
Interceptions (1004) Interceptions (1004) Interceptions (1004) Interceptions (1004) Interceptions (Interceptions (In	Interceptions (1004) Interceptions (1004) Interceptions (1004) Interceptions (1004) Interceptions (Interceptions (In		3) = -		•
March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March Marc	March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March Marc	2-Diction Deliberie (1904)			2:	2 :	:	•
Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Inde	Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Index Inde		3,		2:) :) : 	•
Tetrachloroctions	Tetrachlorocethane	2-Diction of the ne	3) }	2:) }	? :	?
Tetrachorethane	Tetrachorethene	Butanone	3	2) : P	2 :		₹,
	International	1,1 - Inchloroethane	3 ,		2:); (?:	^ `
Control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the cont	Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Cont	arbon Tetrachloride	7) ;	-) () : (^ '
Delicopropase	Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Substitution Subs	romodichloromethane	3		2)) (•
Dickideropropene	Dickideropropene	2-Dichloropropane	78		S C	20	~ ~	^
		a-1,3-Dichtoropropene	7	2		~	~ ~	~
		richloroethene	MEA.	2		ۍ د		~
richloroethane	richloroethane	ibromodificromethane	7/37	S C) (S U	S	~
3.—Dichlocopropene	3.—Dichloropropene	1.2—Trichloroethane	West.	2.0	S U	S C	S	•
3.—Dichloropropene ##1. 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5	3.—Dichloropropene ##1. 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5		Van			s o	n s	•
### 1	### 19	ans-11-Dichloromonene	9	=		2.5	2	
	19. 2 - pentanone		1	:=		=	=======================================	. •
190 100 100 100 100 100 100 100 100 100	19, 12, 12, 12, 13, 13, 13, 13, 13, 13, 13, 13, 13, 13	Market 2	1	2 5	2 5	5	5	
Tetrachloroethane		- Metny - 2 - penamone		2 :	2:	2 :	2 :	2 3
Tetrachlorocthane	Tetrachlorocthane	- Hexarone	Į.	⊃ : 2 ·) : 2 :	2:	2:	Ξ,
Tetrachloroethane	Tetrachloroethane	etrachloroethene	7	٠ د	2 :) (2	•
### 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U	### 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U	1,2,2-Tetrachloroethane	787	20	2	2	S	•
April 5 U 5 U 5 U 1	Ag/L 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5	oluene	7	<u>د</u>	<u>د</u>	s c	S C	•
May 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5	May 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5	blorobenzene	797	~ ~	o S	S C	⊃ °	•
ns Total	ns ns year	thy benzene	4	S U	S C	S U	S U	S U
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	,	Wene	Wed.	o s	n s	S U	2	•
		Potal Xulence	For	=	= 5	3	2 2	
					. •		•	•
	(e) o			9)0	(0)0	5		

Table B-17. Data Presentation: Equipment Blanks (1991) - 122nd Tactical Fighter Wing, Indiana Air National Court By Waven Indiana (Cont. 1998)

Laboratory Sample Number 14266	3	14266	14265 14361	14361	13179	13194
Associated Field QC Samples	:					
Units Carried ATII P. OPGANIC COLLEGISMIS	Units					
SEMINOLATICS UNUMINIC COM	5000	=	=	=	=	2
r includ hist? — Chlocoethyllethor		2 5	2 5	2 5	2 2	Èà
2-Chlorophenol		=======================================		2 9	9	Ž
13-Dichlorobenzene		2 2		2 9	2 9	Ž
1,4-Dichlarobenzene	7	0 01		200	2	ż
1,2-Dichlorobenzene	16/L) 2	2	D 01	⊃ <u>9</u>	ž
2 - Methyl phenol	76. 16.) (1)				2 :
bia(2-Chierotsopropy)ether	100	200				ž :
4 - Methyl phenol	76	2 :	2 :		2 :	Ž
iversity of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the community of the communi	1	2 9		2 5		ŽŽ
Nitrobenzene		2 9				Ž
Isophorone	7	2				ž
2-Nitrophenol	78	000			2	ž
2,4-Dimethylphenol	HEAL	10 01	10 C	0 01	⊃ 9	ž
bia(2-Chloroethoxy)methane	187 187	1 9 C				ž
2,4-Dichlorophenol	#. P.	2 0				ž
1,2,4-Trichlorobenzene	7	2	2		2	ž
Naphthalene	7	2				Ž
4 - Chloroaniline	18. 1	2				Ž
rexaction obus agene	2	2:	2:			ž
4 - Chloro - 3 - metaly poenoi	2	2 5			2 5	ŽŽ
Learning to produce the state of	2	2 5	2 5			Ž
nexaction ocyclopem agrees 2.4.4.—Thicklips ochesol		2 5	2 5	2 5		ŻŻ
2,4,0 - Trichlorophenal	1	2 5				Ž
2-Objective the lene		2 5				ž
2-Niroaniline		2 5				Ž
Dimerhalphalate		2 5				Ž
Acenarhthylene		2 2		2 9		ž
2,6-Dinitrotoluene	48/	200				ž
3-Nitrosniline	* BA	S0 U	20 C	20 0	28	ž
Acenaphthene	74) 10 10 10 10 10 10 10 10 10 10 10 10 10	∩ 9	n 0 1		ž
2,4-Dinitrophenol	7	200	200	200		ž
4-Nicophenol	18. 1	S :		⊃ : 8:		ž
Dieensoluran	7	2:	2 9	o :		Ž
2,4 - Dinitrotoluene Distribution	7	2:	2 \$	2 5		2 2
District		2 :	2 :	2 :	2 5	2 2
ricor ene	1	2 5	2 5			Ž
4 - Nationaline 4 4 - Nietro - 3 - Perfedence		2 5	2 5	2 2		Ž
N - Nicosodi shombania		2 5	? =	2 5		2 2
In - in its carbon price in the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of the interest of th		2 5	2 9			2 2
Description of the second		2 5	2 5		2 5	2 2
Phenanthrene		2 5	2 5	2 =		2
Anthracene		2 2	2 2			Ž
Carbarole		2	2 2) = •		ž
4. N - But Abbithalate	1	2 0	2	2		ž
Finoranthene	184	10 01	10 U	□	10 E	ž
Pyrene	# P.	200	10 C	>		ž
Butyfbenzylphthalate	187	0 92	2	20		ž
3,3' - Dichlorobenzidine	Ž) 2	200	200		ž
Benzo(a)anthracene	7.	2	⊃ : 2 :			ž
Carysene Party Bathata Date Con-	7	2 :	2 9			2
on the Edward promises		2 5	2 5	2 5	2 5	ŽŽ
Report Microsoftene		2 5	2 9			ž
Benack Mucraultene	1	2 2	2 9			ž
Benzo(a)pyrene	1	2 2	2 2	2 2	2 2	ž
Indeno(1,2,3 - cd)pwrene	101	2) 9		Ž
Diberry a his nihranese						
	7	2 9 2	2	1 0 C	<u>9</u>	×

Fighter Wing,	
- IZZ Tactical	na (Continued)
Blanks (1991) -	Indiana Air National Guard, Pt. Wayne, Indiana (Continued)
: Edripacat	onal Guard, Pt
Presentation	liana Air Natio
able E-17. Data Presentation: Equipment Blanks (1991) - 122 Tactical Fighter Wing,	

	4	1-519	1-183	EBIA-1 EBI-1 EB2-1 E	KB3-1	EB4-1
Abdratory semple Number		14266	14265	14361	13179	131%
Associated Field QC Samples						
CENTRACE OF A THE POPULATION OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SAME OF A SA						
Condemad)	2000					
N-Nitrosodimethylamine	HEAL.	۲×	٧×	٧	¥	×
- Picoline	T T	۷ Z	¥	۲ ۲	۲	ž
Methyl Methanesulfonate	7	*	ž	Y Z	Y	ž
Sthy Methanesulfonate	184	¥:	Y :	Y.	Y	ž
Apiline	#6/L	Š	YZ:	¥:	₹ Z	ž
Acetophenone	7	۲: ۲:	Z Z	Z Z	źź	ž
	1	۲ ×	E 2	۲ ×	۲ <u>۲</u>	£ 2
Underbytpoenetry/amine	3	۲ : ۲ :	4	۲ : د ع	۲ : ۲ :	¥ ;
		۲ : د :	C :	۲ : د د	S :	£ ;
		۲ <u>۲</u>	C 2	۲ ÷	۲ : د :	E 2
.c. c I euracolor obenzene		4	۲ : د :	€ ÷	₹ ;	\ \
	1	۲ <u>۲</u>	<u> </u>	۲ :	₹ :	۲ <u>۲</u>
remachiorobensene		۷ : ۲ :	۲ :	4	ď :	۲ ;
No office of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second		<u> </u>	£ 2	C 2	£ ;	\$ 2
2 - Napokoyania ing		< <	< 2	¢	C <	ξ 2
Photocolin		£ 2	C 2	€ 3	< *	€ 2
- A minotinhouse		ξ <u>2</u>	5 2	5 2	2 2	2 2
V-Ammonipremy		۲ <u>۲</u>	< <	ξ <u>2</u>	C <	\$ \$
		ξ <u>2</u>	ξ 2	ζ <u>×</u>	2 2	2 2
Denasine - Dimethylamines schooses		(C 2	C <	< <	₹ 2
1.12—Dimethylammosovallanthracene		(4	₹ 2	ζ ∢	(4	₹ 2
- Methylcholanthrene	HEAL.	ž	ž	Ž	ź	ž
TIC Total	H&V.	(e) •	(e) •	(e) (e	000	
ORGANOCHLORINE PESTICIDESPORS	S/PCBs					
sloba - BHC	1/84	Š	¥Z	×	ž	×
bets-BHC	1/24	Š	ž	4	< Z	ž
parama – BHC (Lindane)	Test .	4	×	٧×	٧×	ž
delta - BHC	787	۲	ž	۷ ۲	ž	ž
He ptachlor	787	Š	ž	¥	¥	ž
Adrin	787	۲×	¥	×	۲×	ž
Heptachlor Epoxide	787	Y Z	ž	۲×	ž	ž
Endosulfan-1	1/84	Š	ž	٧×	ž	ž
Dieldrin	184	۲	ž	Š	×	¥
(.4"-DDE	MEA	₹	ž	٧	ž	ž
Endrin	181 1	< z	ž	ž	۲ ۲	ž
Endoeuffan - II	787	₹	¥.	< Z	ž	< Z
i,4'-DDD	767	Š.	Ź:	Ž:	Ž:	ž
Endrin Aldebyde	FEAT.	Š.	Š.	Y Z	ž	ź
Endosulfan Sulfate	16/L	≤	Ž.	ž	× ×	ž
I,4'-DDT	701	∠	ž	₹ Z	Š.	¥:
Metboaychlor	7	₹ Z	< z	X	< Z	ž
Chlordane	Į,	¥:	X	¥:	Ž:	ž:
oxaphene	787	۷ ;	۲: ۲:	¥:	ž	ž
Arodor - 1016	100	< :	۲ :	۲ ;	<u> </u>	۲ :
Arodor - 1221	1	۲ :	£ ;	S 2	۲ ;	۲ :
Arodor - 1232	J.	<u>ج</u>	<u> </u>	۲ :	۲ :	۲ :
Arodor - 1242		۲ : ۲ :	& \$	S	۲ : د ع	\$;
Application 1354			: 3	. ×	2	ź

B – the reported value is estimated because it is greater than the instrument Detection Limit (IDL), but less than the Contract Required Detection Limit (IDL), but less than the Contract Required Detection Limit (IDL), but less than the Contract Required Detection Limit (IDL), but less than the Contract HT – sample analysis bolding time greater than control limit

3 – estimated value

NM – compound/element was also detected in the associated laboratory method blank

N – spiked sample recovery outside of control limits

NA – not analyzed

U – compound/element was included in analyzed

U – compound/element was included in analyzed

Table B-18. Data Presentation: Field Blanks (1990 and 1991) - 122nd Tactical Fighter Wing, Indiana Indiana Air National Chard. Ft. Wayne. Indiana

Champles	SAIC ID Number		PB-01	FB-02	FB-03	HT-01	PB1-1	PR2-1	FR4-1
March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March Marc	Laboratory Sample Number			9021709	0023606	90025106	13299, 14223	14360	13195, 13204
### 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 10	Associated Field QC Samples		ž	4 %	Y Z	Y X	₹X	ž	₹ Z
### ### ### ### ### ### ### ### ### ##	Parameter	Units							
### A MA NA NA NA NA NA NA NA NA NA NA NA NA NA	Total Petroleum Hydrocarbons	Dgar.	1 UX(HT)	1 UJ(HT)	10	10	0.1	10	
### 1997 NA NA NA NA NA NA NA NA NA NA NA NA NA	Oil And Grease	mg/L	¥	٧×	۲×	٧X	¥2	¥	2
### NA NA NA NA NA NA NA NA NA NA NA NA NA	TPH as Gasoline	7/28	Y.	¥	٧X	٧X	Y.	¥	9.6
MA NA NA NA NA NA NA NA NA NA NA NA NA NA	TPH As Diesel	7	¥	٧X	٧	۲ ۲	¥x	ž	9.65 C
DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUNDS DMPOUN	TPH As Moter Oil	1	۷ ۲	۲ ۲	₹ Z	4	4	Y	0.5 U
Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Colo	METALS								
DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS	Antimos	γ•	1 00 1	1 00 1	11 00 11	1 00 11	17 13	14 (17W)	14 11
### 200	Arenic		2.00	2.00 []	2.00 UW	2.00	==		YMR
March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March Marc	Berdlinn	1	2.00 U	2.00 []	2.00 []	2,00 13	2	-	
## 1 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 100 U 1	Cadmium	1	2.00 U	2.00 U	2.00 U	2.00 U	1 XB)	-	1.8 J/B)
March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March March Marc	Oromium	2	13.00 U	13.00 U	13.00 U	13.00 U	200	- (4)	
200 (Miss) 2.00 (Miss) 2.00 (Miss) 1.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (Miss) 2.00 (M	Conner	To a	14.00 J/B)	10.00 U	10.00	12.00 J/B)	2 JYMB.BI	~	16.5 JVB)
OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUNDS OMFOUN	Lead	Na.	3.40 KMB)	2.60 YMB.B)	1.40 YMB.B)	2.10 VMB.B)	, -	-	3 YMB
DATE OF THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE PARTY NAME AND THE P	Mercury	5	0.00	0.201	0.00	0.2011	•	0	
DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS DAMPOUNDS	Nickel		12.00 [J	12.00 [7	12.00 [3	19.00 YMB.B)	•	11 9	
DAPOUNDS 1000 UV 200 UV 200 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 UV 100 U	Selection		1 00 L	AE : 22	190	100		ILIVAN	1 LIVN
MATCOUNDS 100 100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100 1100	Siver		11.00 C	11.00 U	11.00 U	11.00 U	2.0	2 UKN)	2 10
### 7,00 U 60,00	Theilium	1	2.00 UW	2.00 U	2.00 U	2.00 UW		101	חו
100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	Zinc	184	7.00 U	80.00	7.00 U	11.00 J(MB,B)		S	11.1 J(MB,B)
100									
	VOLATILLE ORGANIC COMPO	SOMO	:		:	;	:	:	;
100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	Chloromethane	187.	10 C	10 O	10 O	10 O) 9	200	2 92
10	Bromomethane	7	2	19 C	19	2	⊃ 9	2	2
10	Viny Chloride	MBAL	20.	1 9 C	10 C	2		2	2
100	Chloroethane	787	⊃ 9 2	D 0 E	⊃ 9 2	⊃ <u>9</u> 2		⊃ 9	2
100	Methylene Chloride	H.P.	S U	s u	7	SU		S U(MB)	~
10	Acetone	MR/L	30 C	10 01	32	D 01		D 02	2
10	Carbon Disulfide	MEAL	S U	•	S U	S U		SU	~
##	1.1-Dichloroethene	me/L	3 U	3.0	3.0	30		SU	~
10	1.1-Dichloroethane	707	11 5	· •	25	2.5		1 5	
### ### ### ### ### ### ### ### ### ##	1.2-Dichkroetbene (total)	1007	2 13	2.5	2 5	2 S		25	•
10	Chloroform	. Ven	2.5	, ,	, %	2 5		=	
	1.2-Dichloroethane	2	2	25	3.5	3.5	- S	2	: 5
	2-Butanone	, Van	9	101	101	2 91	101	2 92	2 01
10	1.1.1-Trichlornethane		=		=	=======================================	=======================================	===	=
Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar.	Carbon Tetrachloride	2	=		? =) =	? =	=	=
	Vind Acteb) 0	2		? =	2 =	, 4		
	Promodichloromethene	1	2 =	2 5	2 =	2 5			
######################################	1 2 - Dieblocomonee	2	2 =		2 5	? =	2 5	2 =	2
######################################	cie - 2 3 - Dichlocomonene	1) = -	, [=======================================	=	2 2	=======================================	2 5
	Tricklesson to a	100	2 =	ñ <u>e</u>	> =	2 =		2	
######################################	Division	100) :) : }			2:	:
######################################	Distribution	101	2:	-:	2:	2:	2:) : 	2:
######################################	1,1,2-1rich Groeinane	# 6 L) : (o ,); (o :) : () : () : (
######################################	Denzene	187) :) : ;	2:) ;	2 :) : (
### ### ### ### ### ### ### ### ### ##	rans1,3-Dichloropropene	101); (2:); (> :); (2:
	Brogotorm	187	2	0 :) (O :) () (2
	4-Methyl-2-pentanone	787	2	200	10 C	2) 9	2	200
	2-Hexanone	787	200	2	20	10 C	2	2	2
######################################	Tetrachloroethene	187	3.0	3	30	3.0	2	o s	~
HEAT SU SU SU SU SU SU SU SU SU SU SU SU SU	1,1,2,2-Tetrachloroethane	7	ر د د	~	S U	⊋: :	2.	2 0	20
10	Toluene	#8V	> C	•	o s	2.0	o \$	٥ د	o s
##	Chlorobenzene	HEAL	~	~	S U	SU	2 C	S U	S U
### 50	Ethylbenzene	7/811	S U		SU	S.U	S C	⊃	S U
######################################	Syrene	Nan-	S U	~	SU	S U	20	S	o s
HELT 10 U 10 U 10 U 10 U 10 U 10 U 10 U 10	Total Xylenes	7	\$ n	23	S U	2.0	n s	2	D \$
HEAT 10 U 10 U 10 U 10 U NA NA NA NA NA NA NA NA NA NA NA NA NA	2-Chloroethyl Vinyl Ether	46/L	10 C	100	10 01	0.01	×	ž	ž
HEAL 40U 40U 40U 40U NA NA NA NA NA NA NA NA NA NA NA NA NA	Iodomethane	H.S.L.	20 C	1 0 C	D 01	D 91	¥	¥	×
HEAT 40U 40U 40U 40U NA NA NA NA NA NA NA NA NA NA NA NA NA	Acroleia	HEAL.	9	2	2	3	¥	×	< Z
HEAT 190 190 190 190 NA NA NA NA NA NA NA NA NA NA NA NA NA	Acrylonitrile	No.	700	29	200	19	٧×	¥	ď
HEAT 100 51 160 100 NA NA NA NA HEAT 100 100 100 NA NA NA HEAT 100 100 100 NA NA NA HEAT 100 100 100 NA NA NA HEAT 100 100 100 NA NA NA NA NA NA NA NA NA NA NA NA NA	Dibromomethane	W.	100	200	201	100	×	ź	×
HEAT 100 100 100 NA NA NA NA NA NA NA NA NA NA NA NA NA	1.23~Trickloromonane		10.00	2.5	2 9	2	¥	X	×
N VN NN NN NN NN NN NN NN NN NN NN NN NN	1 4-Dichlorobytope		2 5	. 5	=======================================	= =	ž	2	ž
N VN VN ON 100 100 100 100 100 100 100 100 100 10	Petral Methacralete		2 5	2 =	2 5	=======================================	Z		: ×
HE TOTAL 300 300 NA NA NA NA NA NA NA NA NA NA NA NA NA	Tricklorofluoromethane		2 92	191) = 9	2	×	Ž	ž
	Dicklorodifluoromethane		2 5	: S	: 5	; 5	*	. ×	×
	TIO Totals		9	9,0	, 6) 	() (•	•

Table E-18. Data Presentation: Field Blanks (1990 and 1991) - 122nd Tactical Fighter Wing, Indiana Air National Guard, Ft. Wavne, Indiana (Continued)

3 61 61		Indiana A	r National Gea	rd, Ft. Wayne, I	adiana (Contin			
Laboratory Sample Number	•	FB-01 0021708	FB-01 FB-02 FB-03 HI-01 137 90021708 90021709 90023606 90025106 133	FB - 03 90023606	HI = 01 90025106	FB1-1 13299, 14223	FB21 14360	13195, 13204
Associated Field QC Samples		۲×	Y.	N.	YZ	¥.	Y.	¥.
Parameter	k							
Phase	MPOUNDS	5	110		-	1 91	1 07	
bis(2-Chloroethyl)ether		2 2	200	2 9	2 2	2 2	2 2	2 5
2-Chlorophenol	To the	D 01	D 01	D 01	2 2	2 2	2) O.
1,3-Dichlorobenzene	3	٠ د د	D :	n s	n s	10 0	10 0	10 C
1,4 Dichlorobenzene Rennel Alechal	1) }) ;) s) }	2 2	9 4	2 ,
1.2-Dichlorobenzene	7	2 S	2 S	2 2	2 2	7 O.	2 9	2 91
2-Methy phenol	3	O 01	D 01	10 C	2 2	200	2	2 2
bis(2-Chloroisopropyl)ether	7	10 C	D 01	D 01	O 01	10 U	10 U	10 U
4 - Methylphenol	7	2 :	2:	2 :	2:	2 :	⊃: 2:	D :
N-Nitroso-di-N-propytamine Herrothoroethane	7.84 	2 5	2 5	2 5		9 9	2 9	2 5
Nirobensere		2 9	2 6	2 5		2 5	2 5	9 5
Isoporone		200	201	2 9		2 9	2 5	2 2
2-Nirophenol	7) O) OI	2 02	2 2	2 2	2 01	2 9
2,4-Dimethylphenol	79.	0 01	O 01	0 01	D 01	10 01	∩ 01) OI
Benzolc Acid	MB/L	20 C	20 C	200	20 C	Y Z	۲ ۲	ž
bis(2-Chloroethoxy)methane	7) 0	D 01	2	2	2	10.0	D 01
2,4 Dichlorophenol	100			25	2 5	2 2	25	2 :
Namhthalane	100	2 5	2 5	2 5		2 5	2 5	2 5
4-Chloroaniline		20 17	202	2 2	2 2	2 9	2 5	2 5
Hexachlorobutadiene		D 01	100	10 01	2 02	D 01	2 2	î 01
4-Chloro-3-methyl phenol	78	O 01	10 U	10 U	10 U	10 U	10 OI	10 U
2-Methylnaphthalene	7	2	201	2	2 :	200	2 2	∩ <u>0</u> 2
riexachiorocyclopentadiene	101	2 9		2	2 :	2 5	2 5	2:
2.4.5 - Trichlorophenol		2 5	2 5	2 5	2 5	2 5	2 5	2 5
2-Chloronaphthalene	1	2	201	2 02	2 2	2 00	10.0	2 2
2-Nitroaniline	, F.	20 €	20 0	20 C	20 0	20 C	20 €	20 0
Dimethyl Phthalate	79,) 2	⊃ : 9:	D 01	D 91	D :	D 02	D 01
Acensphthylene 2 6 Diej modinen	#8/F	2 5	2 5	2 5	2 5	2 5	2 :	2 5
3. Nitropuline		2 9	2 5	2 5	2 5	2 5	2 5	2 5
Acenaphthene	7	D 01	D 01	20.00	D 01	D 01	10 O	10 O
2,4-Dinitrophenol	4	∩ es	D 05	D 05	20 0	D 05	∩ 05 30	20 0
Discoperation	7) 9, 5	200	o :	2 5	⊃ : S :	S :	⊃ : 8:
2.4-Dinitrotoluene		2 2	2 9	2 2	2 2	2 2	2 2	2 2
Diethyl phthalate	78.	10 0	10 01	100	D 01	201	10 D	10 01
4-Chlorophenyl-phenyl Ether	4	20 U	20 02	n 92	20 U	Y	Y.	٧X
Floorene A - Nitrandiina	4	25	⊃ = 2	2 5	25	2 5	2 5	<u>.</u>
4,6-Diniro-2-methylphenol	1	2 %	2 2	\$ 8	2 8	2 00	2 8	2 2
N-Nitrosodiphenylamine	re T	⊃ 0 I	10 C	10 E	D 01	D 91	D 01	10 D
4 Bromophenyl phenyl Ether	2) 9	D 01	D :	2	Y.	Y Z	V
Hexachlorobenzene	3	⊃ : 2	2 5	2 5	2 5	25	2 5	2 5
Phenanthrepe		2 2	2 2	2 2	2 2	2 5	2 5	2 5
Anthracene	1	0.01	001	2	10 01	2	2 0) O
Carbazole	\$	Y.	YZ	¥	¥	D 01	10 U	10 U
Gi - N - Butyphthalate	3			2:	2 5	2 5	2:	2 5
Pyrene		22	2 2	2 2	222	2 2	2 2	2 2
Butybenzyphthalate	167	10 U	D 01	D 01	10 C	10 U	10 U	2
3,3' - Dichtorobenzidine	4	⊃: 8:	⊃:	⊃ : 8 :	2:	⊃ : 9 :	2:	⊃: 2 :
Chrysene	14	2 2	2 2	2 2	2 2		2 2	2 2
bia(2-Ethylhexyl)pbthalate	\$	10 C		10 P	0.01	D 91	10 01	200
di - N - Octyf phthalate	7.	2 :	2:	2:	2	D:	2	2 :
Benzolvannene		2 2	2 5	2 2	2 5) = 1 9. 9	
Benzo(a)pyrene	3	2	200	2	2 2	0.01	2 02	2 02
Indeno(1,2,3 - cd)pyrene	Ž.	2 :	D 01	D 91	D 92	D 01	D 01	10 U
Dibenzo a,b)anthracene Renzo e hiberdene	4 5	2 5	2 5	2 5	2 2	9 9	9 5	2 5
	ł	:	:	2) <u>:</u>	2	:	2

Table B-18. Data Presentation: Field Blanks (1990 and 1991) - 122nd Tactical Fighter Wing, India Mandiana Air National Guard, Ft. Wayne, Indiana (Continued)

AAIC, ID Number Laboratory Sample Number Amochated Filed OC Samples Units SEMIYOLATILE ORGANIC COMPOUNDS	•	FB-01 90021708 NA	90021709	90023606	90025106	13299, 14223	14360	13195, 13204
made of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control o	•	A N	COLTRACT	1	201			
Francier BMIVOLATILE ORGANIC COM			× ×	92	73	42	7	7
BMIVOLATILE ORGANIC COM	Units	¢.	Ç E	Ç	Ç K	Ç	C	ζ
	SUNITOR							
Continued)								
V-Nirrosodimethylamine	well.	20 13	20 0	20 05	200	×	×	×
- Modine	7	20 05	5	20 05	7 05	Y.	Z	×
fethy Methanemifonate		2 05	2 95	20 05	200	×	Z	×
Sthy Methanesulfonate	Wed.	20 02	2000	20 05	20 05	×	ž	Ž
Aniline	6	20 05	2 95	1 05	20 05	×	Z	×
Acetophenone	7	20 05	2 9	205	205	Y.	×	ž
N - Nitrosoninecidine		20 2	2 95	200	200	×	¥	×
Dimestralahanstralamen	}	=	5	5	9	· ×	X	*
A - Dichlorophenol		? \$	2 5	= =	2 5	; 4	2	* *
- Misson oppositor	7	2 5	2 5	3 5	2 5	Ç 7	Ç X	ζ γ
		2 5	2 5	2 5	2 5	\$ 2	£ 2	£ 2
, c, 4,5 - I etracheroenzene	#6. 12.) ? ?	2 3	⊃: ?:	2 :	K :	ζ;	۲ :
- Chloronapothalene	167	0 0	2 2	0 96	2 :	≨ :	\$;	Š;
entachlorobenzene	76	200	200	200	⊃ :	Ž:	₹ Z	Y
-Naphthylamine	184 184	8	Տ	2005	2 8 2	₹	< Z	۲ ۲
-Naphthylamine	777T	20 00	20	20 00	200	¥	۲X	٧X
2-Dinhendhydrazine	, Fan	50.13	200	20 05	20 U	×	× ×	×
henacetin		20 27	5	11 05	95	ž	Z	Y
A (1-1 - 1								
- Aminosipaciny	į	2:	2 3	2	2 :	Š	C :	£ ;
ronamide	7	⊃ : B:	⊃ ;	2) ?	≨ :	S	۲ :
Jenadine	2	2 2 2	2 5	2 :	⊃ : 8 :	Š	Y	Y
- Dimethylaminos zobenzene	#6/L	S S	28	2002	30 C	۲ ۲	۲ ۲	¥
,12-Dimethylbenzo(a)anthracene	#.	S S	\$	2008	S	£	ž	۲ ۲
- Methyl cholant brene	777	2 8	20€	⊃ 8	⊃ 8	ž	۲ ۲	×
ric Total	HEAT.	۲×	×	¥	٧ X	9	8(3)	9
	•							
ORGANOCHLORINB PBSTICIDBS/PCB	SYPCB							
uppa – BHC	7	9. 8.	8.	0.00	9.66	₹	< Z	Y
seta – BHC	1.87 1.87	9.8 2.8	9.6	0.00	9.8 C	ž	۲ ۲	< Z
pamma - BHC (Lindane)	#8/L	9.8 D	9.6 5	9.6	9.6	ž	× Z	۲ ۲
Jeite - BHC	HBAL.	9.05 U	0.66	0.66 U	0.05 U	¥	¥	٧×
festachlor	#e/L	9.66	0.66 U	D 99'6	9.6	¥	ž	×
Aldrin		59.0	7 990	D 900	2 99	ž	×	×
Hentachlor Faoride	V	200	20	2 500	2 50	Ž	×	×
Budoeilfen-1		= =	2 390	2 80	200	Y	2	×
Niedelle Niedelle	1	2 5	2 5 6	200	1010	: ×	. ×	2
					1 6 6	₹ 2	₹ 2	(*
					11010	X	. ×	. ×
	1					\$ 3	<u> </u>	<u> </u>
	18	2:0	200		200	£ ;	ξ:	۲ :
- DDD	7	0.10	0.00	0.20	0.10	≨ :	۲ ۲	۲ :
Endrin Aldebyde	484	9.10	0.10	9.10	0.10	\$	X	×
Endosulfan Sulfate	787	9.70 C	9.10 C	0.10 U	0.10	Y	< Z	× z
.4'-DDT	787	9.10 C	9.10 C	9.90 C	0.10 C	≨	ž	<
Methoxychlor	7	9. ¤ ⊂	0.XC	0.25 U	9.25 C	₹	< Z	<
Chlordane	484	9.65 C	0.65 U	0.45 U	0.65 U	ž	Y	۷ Z
loxaphene	45	200.∓	7.00 C	⊃ 00.7	7.00 €	ž	* Z	∢ Z
Arodor - 1016	#EAL	2.00 C	2.00 U	2:00 C	2:00 €	ş	< z	< z
Aroclor 1221	44	2.50 U	250 U	2.50 U	2.50 U	¥.	ž	< Z
Arodor 1232	45/	250 U	250 U	250 U	250 U	ž	×	×
Aroctor = 1242		2.50 11	2.50 17	250 U	250 U	ž	ž	×
Nroclor - 1248		2.00 []	2.001	2.00 U 2.00 U NA NA	2.00 U	¥	×	×
kronton-1254		9	5	9	1 30	V	×	Z
1200 Landon - 1360		2	8	90-	199	×	×	×

to — the reported value is submated because it is greater than control limit.

1. - stangle analysis bolding time greater than control limit.

2. - estimated value.

MB — compound/element was also detected in the associated laboratory method blank.

MA — not analyzed.

U — compound/element was included in analyzis, but was not detected.

WA — post—dispession spike for Grapbite Furnace Atomic Absorption (GPAA) analyzes in the submitted of the spike absorbance is less than 50% of the spike absorbance.

SAIC ID Number		10-01	1.8 - 01 1.8 - 0.3	7.8-03	TB-04	TR-05	T8-98	TB-07	TG-08	TB-09(a)	TB-10	TB-11	TB-12
e Numba		90021712	90021713	90021714	90021807	90022315	900224FB	900236TB	90023902	90024802	90024903	\$00 24904	10152004
Associated Field OC Samples		< Z	₹ Z	< 2	۲ ۲	ž	< 2	۲ ۲	۲	<	۲ 2	Y Z	Y
Pasmeter Co. ANIC COMBOINED	Contract												
VOLATILE OROANIC COMPL	SONO.	101	=	191	=	=	2		5	:			:
	7			2 9	2 :	2 :	S :			2:	2 :		
Dromomethane	3		2 :	2 :	2:	2 5	۲ : ۲ :	2 9	2 :	2 :	2 :	2 :	2 :
Viny Chloride	1	2 5	2 5	2 9	2 5	2 :	C :	2 :					2 :
Charlemane	Ž,	2:	2:	2 :	2 :	2 -	¢ ;	2			2 ;	2 ;	
Methyene Carolide	Ž,	•		2 :	2	- :	۲ ; ۲ ;	•	•	2		2	7
Acetone	7	2 -	2 -	2 5	2 :	2	۲ : د ع	2 :	2 :	2 :	2:	2 : 2 :	⊃ : ••••••••••••••••••••••••••••••••••••
	Ž,		::) : 	2 :) : 	< :	o :	2:	2 :) : () () : (
1,1 - Dichlor bethere	7	2:	2:) : (⊋:	2:	<u>ج</u>	ָם; ה	O :	2 :	ה ה	ה ה	2 6
I.1 - Dichloroethane	4	⊃ :	ο:	⊃: :	ο:) : 	¥:))) (⊃ :	.	⊃ :	3
1.2 - 1 yerhoroethene (10(3))	3	2 :	0 :	0 :) (○ :	S	∩ :	2	? ∶	2	20	2
Charder	HW.	2	<u>-</u>	20	20	2	Y	~ ~	2 5	⊃ .	~	2 0	= ~
1,2-Dichloroethane	3) C	າດ	3 0) (< Z	3 C	30	⊃) U	<u> </u>	3 C
2 - Butanone	18	200	10 0	⊃ 0	10 C	□	۷ Z	∩ 91	20	2	2	20	2
1,1,1-Trichloroethane	7	2	o s	20	s C	2.5	₹ Z	~	S U	?	S U	20) v
Carbon Tetrachloride	7	30	3.0	3 0	3.0	3 U	4 2) C	3.0	36	30	3.0	3.0
Vinyt Acetate		2	10 C	200	20	∩ 9	Y	2 02	⊇	∩ 01	⊃ •	⊃ •	⊃ •
Bromodichloromethane	7	20	20	200	20	2.	< Z	2	γ	2.0	S	S U	2 ::
1,2 - Dichloropropane	767	<u>د</u>	20	2.0	S U	S U	٧))	20	2.0	SU	20	⊃ <
cis-1,3-Dichlaropropene	78.	S.U	20) (n s	o s	۲ ۲	3.0	S	٠ د	o s	. s	2.0
Trichloroethene	7	S U	o s	2 0	2.0	o s	< Z	a c	2.0	, ,	20	o s	2.0
Dibromochioromethane	#8/L	2	2	20) (s c	< Z	2	n s) •	S C	2.5	20
1,1,2 - Trichloroethane	787	S U	S U) (o s	o s	۲ ۲		SU	o s	o s	o s	S U
Benzene	79.	=	7	3.3	3 C	3.0	۲ ۲	3.0	nε) U	3 0	3.0) U
rans-1,3-Dichloropropene	, re	S U		S U	n s	20	~	n s	2.0	9 C	S U	20	2.0
Bromoform	7	⊃ ;		2	2.0	Š	ž	o s	n s	2.5	o s	2.5	o s
4-Methyl-2-pentanone	7	2	2	2	2	2 9	< Z	2 01	○ 01	= 9	2	⊃ 93	⊃
2 - Hexanone	. FEA.) •	2	2	2	201	₹ Z	2	2	2	⊃ 2	2 2	2
Tetrachloroethene	7	2:) (ָר נ	2 :	Y :	2) r	2	ב ה) () (
1,1,2,2 - I etrachioroethane	Ž,	2:	2:	2 :	2 :	= :	۲ : ۲ :	2 :	2:) : •) : () () •
Johnstein	7		2 :	2 3	2 :) : 	< :	2 :) : () :) : :) ·	→ :
	7		2 :	o :	0:	: :	S	2 :	2) ;	2 :	o :	2 :
	7	2:	2:	2 :	2:	2:	4 2) ;	2:	2:	> :	2:	⊋; ~
Total Kidenes			, é	2 =	2 5	25	< <	2.5	2 2		25	2 2	23
2 - Chicamphat Viend Ether		2	2 5	=	. 5	: =	< ×	9		? 5	? =	2	
lodomethane	3	2 9	2 0	2	2	2 2	ź	2 9	2	2	2 2	2 2	2 2
Agolein	7	\$	O 04	19	10	9	Y	7 0	20	100	\$	9	9
Aaylonitrik	7	\$	⊃ Q	- 94	C) 04	A 0+	4	107	7 9	2.04	O 04	1 04	\$
Dibromomethane	18	1 0 1	O 01	∩ 01	10 C	201	۲ Z	0.01	∩ 0 1	O 01	⊃ 91	⊃ 91	
1,2,3 - Trichloropropane	ž	2	⊃ 2	20	100	∩ 01	۲ ۲	= 9	001	2	2 01	O 01	<u> </u>
1,4-Dichlorobutane	7	<u> </u>	⊃ : 2	2	2	201	< Z	2 <u>e</u>	O 01	O 01	2) 9	2
Ethyl Methadylate	7	2	9	2	2	0 0	< Z	2	2	200	2	_ 	2
Trichlorofluoromethane	1	2	= :	2	2	⊃ :	₹ Z	2 0	2	2	2	2	⊃ 9
Dichlorodifluoromethane	Ž,	⊃ ?	⊃ ;) S	26.	S .	ď :	2	28	2	2 2	2	2 8
IC Ionals	MAL	000	000	No.	(V)	n n	<u>ک</u>	410	D)O	7970	Y 2	ž	¥

estimated value
 NA – not analyzed
 U – contpound/element was included in malyas, but was not detected
 (a) Sample was incorrectly labelled on Chain – of – custody as TB – 08

Table B-20. Data Presentation: Trip Blanks (1991) - 122 nd Tactical Pighter Wing, Indiana Air National Guard, Pt. Wayne, Indiana	ioa: Tri	Blanks (1991) - 122nd Ti	ctical Fighte	r Wing, India	aa Air Natio	nal Guard, Pt. V	Vayac, Indiana
SAIC ID Number		TB10-30-91	TB10-31-91	TB11-1-91	TB11-3-91	TRIP BLNK	TB11-6-91	TB11-7-91
Laboratory Sample Number		13113	13180	13196	13301	14268	14362	14399
Associated Field QC Samples		٧×	₹ 2	×	₹z	¥	٧×	¥X
Parameter	Unite							į
VOLATILE ORGANIC COMPOUNDS	SOA							
Chloromethane	187 1	10 U	10 C	10 U	101	10 01	10 C	10 01
Bromomethane	W.	10 C	10 U	10 U	10 01	10 01	D 91	200
Vinyl Chloride	Na.	10 U	10 U	10 U	10 U	10 U	10 C	10 01
Chloroethane	WE.	∩ 01	□ 01		D 01	∩ 91	D 01	7 01
Methylene Chloride	T/S	0.5	SU		SU	SU	S UCMB)	
Acetone	T/S#	∩ 01	10 U	10 U	10 U	10 01	10 OI	_
Carbon Disulfide	4	2 0	SU	SC	SU	0 \$	S U	S C
1,1 - Dichloroethene	A A	S U	SU	SU	O S	3 C	S C	n s
1,1-Dichloroethane	77	5 U	SU	SU	SU	SU	S U	s u
1,2-Dichloroethene (total)	Tan.	S U	SU	S U	SU		SU	S U
Chloroform	787	S U	SU	SU	SU	SU	n s	S U
1,2-Dichloroethane	T T	S U	S U	20	SU		S U	S U
2-Butanone	W.	200	10 U	10 O	10 U		101	10 01
1,1,1-Trichloroethane	F. F.	S U	SU	SU	SU		20	SU
Carbon Tetrachloride	79	o s	S U	S U	\$	\$ 0	o s	S
Bromodichloromethane	784	n s	o s	S U	SU		N S	S U
1,2-Dichloropropane	187	S.C	SU	SU	SU		o s	3.0
cis-1,3-Dichloropropene	F. F.	S U	S U		SU		o s	S U
Trichloroethene	HE/L	o s	SU		Ω \$		ΩS	20
Dibromochloromethane	A PA	S U	S U	SU	SU		S U	0 S
1,1,2-Trichforoethane	7	2 0	\$ 0	S U	3 υ		o s	s u
Benzene	F. P.	20	SU	SU	3.0		2 U	o s
trans - 1,3 - Dichloropropene	784	S U	SU	SU	S U	O S	S U	o s
Bromoform	7	S U	SU		o s		S U	S U
4 - Methyl - 2 - pentanone	3	202	201	•	201	•	201	10 0
2-Hexanone	787	10 OI	101		100		10 C	D 91
Tetrachloroethene	F. P.	SC	SU	~	SU		2.0	S.U
1,1,2,2 - Tetrachloroethane	4	ΩS	SU		20	~	30	S U
Toluene	7	D S	SC		20\$	•	S C	o s
Chlorobenzene	7	S U	SU		SU	8	S U	3.0
Ethyl benzene	78 M	20	SU	3 C	S U	20	S U	2 C
Syrene	184	20	S U	20	SU	~	3 C	3 U
Xylene (total)	# 6/L	SU	SU	S U	20	~	n s	o s
TIC Totals	NA.	90	90	9	9	000	9	(<u>0</u>) 0

TIC Totals

MS — compoundefement was also detected in the associated isboratory method blank. MA — not analyzed

U — compoundefement was included in analyzed.

U — compoundefement was included in analyzed.

APPENDIX F
DATA QUALITY ASSESSMENT

THIS PAGE INTENTIONALLY LEFT BLANK

APPENDIX F. DATA QUALITY ASSESSMENT

F.1 INTRODUCTION

A standardized quality assurance/quality control (QA/QC) program was followed during the Site Investigation (SI) conducted at the Indiana Air National Guard Base (ANGB), located at Baer Field near Fort Wayne, Indiana, to ensure that analytical results and the decisions based on these results were representative of the environmental condition at the sites. The objective of the SI was to confirm the presence of contamination, collect and analyze sufficient numbers of samples to determine the lateral and vertical extent of contamination detected during the original field effort, and conclude SI activities at three sites. The SI was conducted using the Hazardous Waste Remedial Actions Program (HAZWRAP) Levels B and C (i.e., U.S. Environmental Protection Agency [EPA] Levels II and III) OC requirements described in Requirements For Quality Control Of Analytical Data (DOE/HWP-65/R1, July 1990). Tables F-1a and F-1b present the numbers of soil and sediment samples and groundwater samples, respectively, collected during the Indiana ANGB Fort Wayne, Indiana Field SI, in addition to the numbers of field QC samples collected and selected laboratory QC (i.e., matrix spikes and duplicates) samples analyzed. The data validation worksheets are referenced within the subsection describing the applicable analysis. The QC checks and results, applicable to the 1990 and 1991 field effort, are summarized below.

F.1.1 Data Quality Objectives

The following sections summarize the data quality objectives (DQOs) for precision, accuracy, representativeness, comparability, and completeness (PARCC) obtained during the Indiana ANGB.

F.1.1.1 Precision

Precision was defined as the reproducibility, or degree of agreement, among replicate measurements of the same quantity. The closer the numerical values of the measurements are to each other, the more precise the measurement is. Analytical precision was expressed as the

TABLE F—14. ANALYTICAL METHODS AND TOTAL NUMBERS OF SOIL AND SEDIMENT SAMPLES COLLECTED DURING THE SITE INSPECTION, INDIANA INDIANA INDIANA AIR NATIONAL GUARD BASE, FORT WAYNE, INDIANA

	ANALYTICAL DETECTION	DETECTION							
PARAMETER	METHOD	LIMIT	SOIL SAMPLES	SOIL SAMPLES REPLICATES	TRIP	FIELD	EQUIPMENT BLANKS	MS/MSD	TOTAL NUMBER OF ANALYSES
Volatile Organic Compounds	SW 5030/8240	æ	11	0	9	2	3	2	26
Volatile Organic Compounds	CLP SOW 3/90	æ	39	6	\$	7	7	8	57
Aromatic Volatile (BTEX)	SW 5030/8020	œ	٥	0	1	;	1	-	und und
Semivolatile Organic Compounds	SW 3550/8270	es	30	vol	!	7	ю	8	9
Semivolatile Organic Compounds	CLP SOW 3/90	œ	36	60	1	7	2	7	47
Pesticide/PCB	SW 3530/8080	œ	7	0	!	7	-	-	13
Priority Polluant Metals Arsenic	SW 3050/6010 SW 3050/7060	গুৰু ধ	89	4	!	8	4	•	63
Mercury Selenium	SW 3050/7740	te; es							
Antimony Thallium Lead (Total)	SW 3005/7041 SW 3050/7841 SW 3050/7421	લદ લા લદ	01	0	!	8		_	8
Total Petroleum Hydrocarbons and Oil and Grease	SW 3550/E 418.1 SW 3550/E 413.2	æ	72	٧.	1	m	₩.	•	\$6
						,			

a - Detection limits are matrix and sample specific. All detection limits are listed on the comprehensive data tables located in Appendix E.

Sediment samples: SD4-01, SD4-02, SED-1, and SED-2.

TABLE F – 16. ANALYTICAL METHODS AND TOTAL NUMBERS OF GROUNDWATER SAMPLES COLLECTED DURING THE SITE INSPECTION, INDIANA AIR NATIONAL GUARD BASE, FORT WAYNE, INDIANA

	ANALYTICAL DETECTION	DETECTION							
PARAMETER	метнор	LIMIT	WATER SAMPLES	WATER SAMPLES REPLICATES	TRIP	FIELD	EQUIPMENT	MS/MSD	TOTAL NUMBER
Volatile Organic Compounds	SW 8240	6 2	7	0	\$	-	2	0	15
Volatile Organic Compounds	CLP SOW 3/90	æ	•	***	2	-	ю	2	11
Aromatic Volatile (BTEX)	SW 8020	æ	4	-	!	;	I I	-	7
Semivolatile Organic Compounds	SW 3510/8270	a	7	0	!	~	2	0	01
Semivolatile Organic Compounds	CLP SOW 3/90	a	s	-	1	-	7	-	=
Pesticide/PCB	SW 3510/8080	æ	7	0	1	-	0	•	*
Priority Polluant Metals Argenic Lead	SW 3005/6010 SW 3050/7060 SW 3020/7420	43 45 4	01	-	:	-	2	m	20
Mercury Selenium	SW 7470 SW 3050/7740	: «: «:							
Antimony Thallium Lead (Total)	SW 3020/7841 SW 3020/7841 SW 3020/7420	તાલ વ	,,	_	1	c	-	•	,
TDS	E 160.1	a	, »	• •	 	. 17		- :	` ^
Total Petroleum Hydrocarbons and Oil and Grease	SW 3550/E 418.1 SW 3550/E 413.2	a	=	+	!	-	₹	0	11
								•	

a -- Detection limits are matrix and sample specific. All detection limits are listed on the comprehensive data tables located in Appendix E.

[•] MS anlysis only.
•• Duplicate analysis only

percentage of the difference between results of duplicate samples for a given compound or element. Relative percent difference (RPD) was calculated as:

$$\frac{/C_1 - C_2/}{\left(\frac{C_1 + C_2}{2}\right)} \times 100$$

where:

 C_1 = Concentration of the compound or element in the sample

 C_2 = Concentration of the compound or element in the duplicate/replicate.

Precision was determined using matrix spike/matrix spike duplicate (MS/MSD) and duplicate sample analyses conducted on samples collected for volatile organic compound (VOC), semivolatile organic compound (SVOC), pesticide/polychlorinated biphenyl (PCB) analyses and, total petroleum hydrocarbon (TPH), oil and grease, priority pollutant metals and total dissolved solids (TDS) analyses during the Fort Wayne SI. The laboratory selected 1 sample in 20 and split the sample into 2 additional aliquots. MS/MSD samples were prepared by routinely analyzing the first aliquot for the parameters of interest, while the remaining two aliquots were spiked with known quantities of the parameters of interest before analysis. The RPD between the spike results was calculated and used as an indication of the analytical precision for the VOC and SVOC analyses performed. Duplicate samples (i.e., for priority pollutant metals, oil and greases, TPH, and TDS analyses) were prepared by subdividing 1 sample of every 20 samples received and analyzing both samples of the duplicate pair. The RPD between the spike results was calculated and used as an indication of the analytical precision for VOC, SVOC, and pesticide/PCB analyses performed. The RPD between two detected concentrations was calculated and used as an indication of the analytical precision for the analyses performed.

All RPD values calculated from the VOC analyses were within the EPA Contract Laboratory Program (CLP) advisory control limits for analytical precision. Thirteen RPD values (of 55 total values) calculated from the SVOC analyses and one RPD value (of 6 total

values) calculated from the pesticide/PCB analyses were outside the EPA CLP advisory control limits for analytical precision. Since each analysis was evaluated according to the required QC criteria described in Section F.3 and all of these criteria were met for the environmental samples analyzed, these RPD values are considered to be more representative reflection of the variability characteristic of the environmental condition at the Indiana ANGB, and as a result, the analytical DQO for VOC, SVOC, and pesticide/PCB (in soils only) precision is considered to have been met. The analytical precision DOO for pesticides/PCBs in groundwater could not be evaluated, since the MS/MSD analyses for that matrix was conducted using a Field OC blank, rather than an environmental sample. All priority pollutant metals RPD values were within the control limits, except aluminum, arsenic, chromium, cooper, lead, manganese, and zinc. As a result, data validation qualifiers were applied to these elements in numerous soil samples associated with those samples analyzed in duplicate. These results are considered to have little impact on the environmental data quality and considered more likely to be a result of the regional matrix variability, since all other analytical QC criteria were met. Therefore, the analytical precision DQO for these metals analyses is considered to have been met. Four RPD values calculated from TPH analysis, one RPD value calculated from oil and grease analysis, and one RPD value was calculated from TDS analysis were within the appropriate limit; therefore, the analytical precision DOO for these analyses is considered to have been met. The analytical QC evaluation criteria used to evaluate analytical precision and all MS/MSD results are discussed in Section F.3.

Sample collection reproducibility and media variability were measured in the laboratory by the analysis of field replicates. Field replicates were collected using the same sample techniques as those used to collect the environmental samples. One in 10 similar matrices was collected, and sample collection reproducibility and media variability were evaluated based on the RPD values between two duplicate samples. No corrective action was taken based on RPD values.

All soil samples to be analyzed by the laboratory were collected using brass (i.e., for VOC, SVOC, TPH, and oil and grease analyses) and stainless steel (i.e., for priority pollutant metals analyses) liners. Each split spoon was filled with sufficient liners such that replicate

samples could be collected at any sample collection interval. After the split spoon sampler was retrieved from the borehole, these liners were capped and labeled and each sample was shipped to the laboratory in the liner. Therefore, the replicate concentrations measured by the laboratory reflect the natural matrix variability inherent in the surface soil at the Indiana ANGB. Field RPD values were calculated only for compounds and elements detected above the contract required detection limits (CRDLs) in both replicate pair samples and only for those compounds and elements not considered to be common laboratory contaminants (e.g., methylene chloride). Toluene was detected in one soil replicate pair (i.e., SB1A-3-4 and SB1A-3-4R). The RPD value was calculated at 141 percent. All other VOC, SVOC, and TPH RPDs values met the evaluation criteria. Priority pollutant metals replicate RPD values met the evaluation criteria, except for lead (i.e., 86 percent) in one soil replicate pair (i.e., SB1-3-3 and SB12-3-3R). Based on these RPD results and the acceptable QC results, the sample collection DQO for reproducibility is considered to have been met. A comprehensive discussion of all replicate sample results is presented in Section F.2.4.

F.1.1.2 Accuracy

Accuracy was defined as the degree of difference between measured or calculated values and the true value. The closer the numerical value of the measurement approaches the true value, or actual concentration, the more accurate the measurement is. Analytical accuracy is expressed as the percent recovery of a compound or element that has been added to the environmental sample at a known concentration before analysis. The following equation was used to calculate percent recovery:

$$\frac{A_r - A_o}{A_f} \times 100$$

where:

 A_r = Total compound or element concentration detected in the spiked sample

A_o = Concentration of the compound or element detected in the unspiked sample

 A_f = Concentration of the compound or element added to the sample.

Laboratory accuracy was qualitatively assessed by evaluating the sample holding times, method blank, tuning and mass calibration (gas chromatography/mass spectrometry [GC/MS] only), system performance compound and surrogate recovery (GC/MS and GC, respectively, only), internal standard (GC/MS only), Laboratory Control Sample (LCS) and method blank spike recovery, and initial and continuing calibration results calculated from all analyses conducted on environmental samples.

Seven (of 150 values), three (of 110 values), and one (of 18 values) percent recovery values were outside the required control limits. All supporting VOC, SVOC, and pesticide/PCB information cited above was qualitatively evaluated with respect to the analytical accuracy. Selected data validation qualifiers were applied to the VOC environmental sample results due to method blank interference (i.e., methylene chloride), internal standard performance, and poor surrogate recoveries. Selected data validation qualifiers were applied to the SVOC environmental sample results due to the exceeded holding times, internal standard performance, and poor surrogate recoveries. Undetected compounds in three soil samples and two groundwater samples were rejected due to the exceeded holding times. In addition, two soil samples and three groundwater samples were rejected due to poor surrogate recoveries. Of the qualified SVOC data points these values have the greatest adverse impact on the environmental data quality. On pesticide compound (i.e., 4,4'-DDT) in one water sample was rejected due to matrix spike recovery. Selected data validation qualifiers were applied to the pesticide/PCB environmental samples due to poor surrogate recoveries.

Data validation qualifiers were applied to 17 antimony, 6 arsenic and 10 lead concentrations to indicate that these values were rejected due to unacceptable (i.e., less than 30 percent recovery) matrix spike recoveries. Mercury in one groundwater sample was rejected due to the exceeded holding time. In addition, data validation qualifiers were applied to

numerous other priority pollutant metals concentrations to indicate that the matrix spike recoveries were outside the applicable control limits. Despite these values, no systematic laboratory error was detected, since all LCS criteria for soil and water samples were met. As a result, all associated soil and groundwater samples data were qualified for data validation purposes, as required by EPA validation quidelines; however, the results are considered to have little impact on the overall data quality. All supporting priority pollutant metals QC information cited above also was qualitatively evaluated with respect to the analytical accuracy DQO. Of this information, numerous data points in selected environmental samples were estimated due to method blank interference and mercury in selected samples was estimated due to the exceeded holding time. Based on the evaluation of the MS/MSD results and the associated QC results summarized in Section F.3, the overall laboratory accuracy is acceptable, and as such, the analytical DQO for accuracy was met, except where noted.

Sampling accuracy was maximized by adherence to the strict QA program presented in DOE/HWP-65/R1. All procedures (i.e., soil boring and monitoring well installation, soil and groundwater collection procedures, equipment decontamination, and health monitoring equipment calibration and operation) used during the Indiana ANGB SI were documented as standard operating procedures (SOPs). Field QC blanks (i.e., trip blanks, field blanks, and equipment blanks) were prepared to ensure that all samples represent the particular site from which they were collected, asses any cross contamination that may have occurred, and qualify the associated analytical accordingly.

Data validation qualifiers were applied to the methylene chloride, toluene, and acetone in 10 selected (i.e., 3 groundwater and 7 soil samples) environmental samples to indicate that these compounds were considered not detected due to associated field QC blank interference. These samples were validated using the highest concentration of the applicable interferent detected in the associated field QC blank. Data validation qualifiers were applied to selected priority pollutant metals (i.e., predominantly cadmium, cooper, lead, sodium, and zinc) and TDS detected in soil and groundwater samples to indicate that these concentrations are considered estimated, since the concentrations detected in the environmental samples did not exceed five times that detected in the associated field QC blank. Despite the data validation qualifiers, these

field QC blanks are not considered to have adversely impacted the soil sample data quality, since metals are relatively nonvolatile and the possibility of cross contamination between field QC blanks and soil samples is considered remote. Therefore, it is unlikely that the water used to prepare the field QC blanks was a source of those elements and TDS detected in the associated groundwater samples, since the bailer was effectively raised numerous times with the sample media during the well preparation activities. Based on an evaluation of the compounds and elements detected in the field QC blanks, the overall field accuracy is acceptable, except where noted. As a result, the field DQO for accuracy is considered to have met. A comprehensive discussion of the field QC results is presented in Section F.2.

F.1.1.3 Representativeness

Representativeness was defined as the degree to which the data accurately and precisely represent a characteristic of a population, parameter variations at a sampling location, a process condition, or an environmental condition. Sample representativeness was ensured during the SI by collecting sufficient samples of a population medium, properly distributed with respect to location and time. Representativeness was assessed by reviewing the drilling techniques and equipment; well installation procedures and materials; and sample collection methods, equipment, and sample containers used during the Indiana ANGB SI, in addition to the onsite GC analysis results and evaluating the RPD values calculated from the duplicate samples and the concentrations of interferents detected in the field and laboratory QC blanks. The reproducibility of a representative set of samples reflects the degree of heterogeneity of the sampled medium, as well as the effectiveness of the sample collection techniques.

All monitoring wells were installed using hollow stem auger drilling techniques. This method is commonly used to install monitoring wells to depths less than 100 feet. All samples were collected using the split-spoon driven in front of the auger. As originally specified in the project Work Plan, California ring samplers (i.e., brass or stainless steel liners inserted into a split-spoon sampler) were to be used to collect all soil samples. All other data are considered to be representative.

Based on the evaluation of the factors described above and summarized in Section F.3 the samples collected during the SI are considered representative of the environmental condition at the Indiana ANGB.

F.1.1.4 Comparability

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared to another and is limited to the other PARCC parameters, because only when precision and accuracy are known can one data set be compared to another. To optimize comparability, only the specific methods and protocols that were required by DOE/HWP-65/R1 were used to collect and analyze samples during the Indiana ANGB SI. By using consistent sampling and analysis procedures, all data sets were comparable within the sites at the Indiana ANGB, between sites at the installation, or among ANGB facilities nationwide, to ensure that remedial action decisions and priorities were based on a consistent data base. Comparability also was ensured by the analysis of EPA reference materials, establishing that the analytical procedures used were generating valid data.

All samples collected in 1990 and 1991 for VOC and SVOC analyses were analyzed using EPA solid waste methods and the March 1990 EPA CLP Statement of Work (SOW), respectively. All samples collected for pesticides/PCBs, priority pollutant metals, TPH were analyzed using EPA solid waste methods. Water samples collected for oil and grease and TDS analyses were analyzed using EPA waste water methods.

Based on the precision and accuracy assessment presented above, the data collected during the SI are considered to be comparable with the data collected during previous investigations.

F.1.1.5 Completeness

Completeness was defined as the percentage of valid data obtained from a measurement system. For data to be considered valid, they must have met all acceptance criteria, including accuracy and precision, as well as any other criteria specified by the analytical methods used. Based on the evaluation of the field and laboratory QC results presented in Sections F.2 and F.3,

99.4 percent of the sample data collected for VOC analyses; 91 percent of the sample data collected for SVOC analyses; 99.7 percent of the sample data collected for pesticide/PCB analyses; 98.5 percent of the sample collected for priority pollutant metals analyses; and 100 percent of the sample data collected for BTEX, TPH, and TDS analyses were used as the basis for recommendations presented in this report.

Project completeness was defined as the percentage of data used to prepare a preliminary risk evaluation and upon which recommendations for the site remediation are based. For analytical data to be considered usable for risk assessment and remediation recommendations, they must be satisfactorily validated. Rejected (i.e., due to holding time, surrogate and matrix spike recoveries) values and concentrations reported for all analyses were not used in the risk estimates or for remediation recommendations due to the increased potential of using the concentrations of false positive compounds and elements or omitting compounds or elements (i.e., false negatives) that may have an adverse impact on human health. As a result, 564 SVOCs, 1 pesticide/PCB, and 35 priority pollutant metals data points were rejected, and as a result, were not included in preliminary risk evaluation. A complete list of these data points is presented in Table F-2.

F.2 FIELD QUALITY CONTROL ASSESSMENT

Nineteen Eleven trip blanks, 7 2 field blanks, 14 4 equipment blanks, and 7 4 field replicates were collected and analyzed for the same compounds and using the same laboratory techniques as those used for the 95 environmental samples. The analytical results obtained from the field QC blanks are used to assess the efficiency and effectiveness of the sample collection, handling, and equipment decontamination procedures used in the field. Table F-2a contains a cross-reference of environmental samples to the associated field QC blank sample.

F.2.1 Trip Blanks

Trip blanks were prepared by the NET Laboratory (former SAIC Laboratory), located in San Diego, California. These blanks were prepared with American Society for Testing and Materials (ASTM) Type II water preserved with HCl to a pH of less than 2, sent to the Indiana ANGB, stored with the unused sample bottles, and returned to the laboratory with each cooler

Table F-2. List of Rejected Data

Sample Identification	Analysis	Compound/Element Impacted	Cause QC Result
EW-05	svoc	All compounds	Holding Time
MW4-02	svoc	All compounds	Holding Time
SB1A-1-2 (2nd round)	svoc	All compounds except: diethylphthate, phenonthrene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthrene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3- cd)pyrene, benzo(g,h,i)perylene	Holding Time
SB1A-1-3 (2nd round)	svoc	All compounds except: pyrene	Holding Time
SB1-2-5R (2nd round)	svoc	All compounds	Holding Time
P-2	svoc	All compounds	Surrogate recoveries
GW1-1	svoc	All compounds	Surrogate recoveries
GW1-1RE	svoc	All compounds	Surrogate recoveries
SB1-2-5R	svoc	All compounds	Surrogate recoveries
SB1-2-5	svoc	All compounds	Surrogate recoveries
MW2-01	Pesticide/PCB	4,4'-DDT	Spiked Sample
MW4-02	Priority Pollutant Metals	Mercury	Holding Time
SB2-01-01	Priority Pollutant Metals	Antimony	Spiked Sample
SB2-01-19	Priority Pollutant Metals	Antimony	Spiked Sample
SB2-02-01	Priority Pollutant Metals	Antimony	Spiked Sample
SB2-03-01	Priority Pollutant Metals	Antimony	Spiked Sample
SB2-04-01	Priority Pollutant Metals	Antimony	Spiked Sample
SB4-01-01	Priority Pollutant Metals	Antimony	Spiked Sample
SB4-01-02	Priority Pollutant Metals	Antimony	Spiked Sample
SB4-02-01	Priority Pollutant Metals	Antimony	Spiked Sample
SB4-02-02	Priority Pollutant Metals	Antimony	Spiked Sample
SB4-03-02	Priority Pollutant Metals	Antimony	Spiked Sample
SB4-04-01	Priority Pollutant Metals	Antimony	Spiked Sample

Table F-2. List of Rejected Data (Continued)

Sample Identification	Analysis	Compound/Element Impacted	Cause QC Result
SB4-04-02	Priority Pollutant Metals	Antimony	Spiked Sample
SB4-05-01	Priority Pollutant Metals	Antimony	Spiked Sample
SB4-05-02	Priority Pollutant Metals	Antimony	Spiked Sample
SD4-01	Priority Pollutant Metals	Antimony	Spiked Sample
SD4-02	Priority Pollutant Metals	Antimony	Spiked Sample
SB4-1-1	Priority Pollutant Metals	Lead	Spiked Sample
SB4-1-2	Priority Pollutant Metals	Lead	Spiked Sample
SB4-1-6	Priority Pollutant Metals	Lead	Spiked Sample
SB3-2-2	Priority Pollutant Metals	Lead	Spiked Sample
SB3-2-1	Priority Pollutant Metals	Lead	Spiked Sample
SB3-1-6	Priority Pollutant Metals	Lead	Spiked Sample
SB3-1-9	Priority Pollutant Metals	Lead	Spiked Sample
SB4-2-1	Priority Pollutant Metals	Lead	Spiked Sample
SB4-2-2	Priority Pollutant Metals	Lead	Spiked Sample
SB3-1-1	Priority Pollutant Metals	Lead	Spiked Sample
SB1A-1-5	Priority Pollutant Metals	Arsenic	Spiked Sample
SB1A-1-5R	Priority Pollutant Metals	Arsenic	Spiked Sample
SB1-2-5	Priority Pollutant Metals	Arsenic	Spiked Sample
SB1-2-5R	Priority Pollutant Metals	Arsenic	Spiked Sample
SB1A-3-4	Priority Pollutant Metals	Arsenic	Spiked Sample
SB1A-3-4R	Priority Pollutant Metals	Arsenic	Spiked Sample

SAIC	Laboratory	Associated	Table 2a. F Associated	ield QC to Environ Associated	nmental San SAIC	nple Cross Laboratory	- Reference Associated	Associated	Associated
Sample	Sample	Field	Trip	Equipment	Sample	Sample	Field	Trip	Equipment
<u>ID</u>	<u>ID</u>	Blank	Blank	Blank	ID	ID .	Blank	Blank	Blank
WATER SA	UMPLES (1990	9)			SOE, SAMP	LES (1990)			
FB-01	90021708	NA	NA	NA	SB1-01-12	90021701	FB-01,-02	TB-01	EW-01,-02
FB-02 EW-01	90021709 90021710	NA NA	NA NA	NA NA	SB1-01-11 SB1-03-02	90021702 90021703	FB-0102 FB-01,-02	TB-01 TB-02	EW-01,-02 EW-01,-02
EW-02	90021711	NA NA	NA NA	NA NA	SB1-03-05	90021703	FB-01,-02	TB-02	EW-01,-02
TB-01	90021712	NA	NA	NA.	SB1-03-18	90021705	FB-0102	TB-02	EW-01,-02
TB-02	90021713	NA	NA	NA	SB-B-01	90021706	FB-01,-02	TB-02	EW-01,-02
TB-03 TB-04	90021714	NA	NA	NA NA	SB-B-02 SB1-02-03	90021707 90021801	FB-01,-02	TB-02 TB-04	EW-01,-02,-04
18-03 EW-03	90021807 90021808	NA NA	NA NA	NA NA	SB1-02-03R		FB-01,-02 FB-01,-02	TB-04	EW-03,-04 EW-03,-04
EW-04	90022314	NA	NA	NA.	SB1-02-16	90021803	FB-01,-02	TB-04	EW-03,-04
TB-05	90022315	NA	NA	NA	SB2-01-01	90021804	FB-0102	TB-04	EW-0304
EW-05	90022401	NA	NA	NA	SB2-01-02	90021805	FB-01,-02	TB-04	EW-03,-04
TB-06 EW-06	900224TB 90023605	NA NA	NA NA	NA NA	SB2-01-19 SB2-02-01	90021806 90022301	FB-01,-02 FB-01,-02	TB-04 TB-06	EW-03,-04 EW-03,-04,-05
FB-03	90023606	NA	NA	NA	SB2 -03 - 01	90022302	FB-01,-02	TB-05	EW-03,-04,-05
TB-07	900236TB	NA	NA	NA	SB2-04-01	90022303	FB-01,-02	TB-06	EW-03,-04,-05
MW4-02	90023901	FB-03	TB-06	EW-05,-06,-08,-09		90022304	FB-01,-02	TB-05	EW-03,-04
TB-08	90023902	NA NA	NA NA	NA NA	SB4-01-02	90022305	FB-01,-02	TB-05	EW-03,-04,-05
P-2 TB-09	90024801 90024802	FB-01,-02,-03		EW-05,-06,-07,-08	SB4 -02 - 01	90022306 90022307	FB-01,-02	TB-05 TB-05	EW-03,-04,-05 EW-03,-04,-05
EW-07	90024802	NA NA	NA NA	NA NA	SB4-02-02 SB4-03-01	90022307	FB-01,-02 FB-01,-02	TB-05	EW-03,-04,-05
MW2-01	90024902	FB-01,-02,-03	TB-10	EW-04,-07,-08	SB4-03-02	90022309	FB-01,-02	TB-06	EW-03,-04,-05
TB-10	90024903	NA	NA	NA NA	SB4-04-01	90022310	FB-01,-02	TB-05	EW-03,-04,-05
TB-11	90024904	NA NA	NA.	NA	SB4-04-02	90022311	FB-01,-02	TB-05	EW-03,-04,-05
MW1-02	90025101	FB-01,-02,-03	TB-11	EW-07,-08,-09	\$B4-05-01	90022312 90022313	FB-01,-02	TB-06	EW-03,-04,-05
MW1-01 EW-08	90025102 90025103	FB-01,-02,-03 NA	TB-11 NA	EW-07,-08,-09 NA	SB4-05-02 SD4-01	90022313 90022402	FB-01,-02 FB-0102	TB-05 TB-06	EW-03,-04,-05 EW-03,-05
EW-09	90025104	NA NA	NA NA	NA NA	SD4-02	90022403	FB-01,-02	TB-06	EW-03,-05
P-8	90025105	FB-01,-02,-03	TB-12	EW-08,-09	SB1-04-01	90023601	FB-01,-02,-03	TB-07	EW-03,-05,-06
HT-01	90025106	NA	NA	NA	SB1-04-02	90023602	FB-01,-02,-03	TB -07	EW-03,-05,-06
TB-12	90025107	NA	NA	NA	SB1-04-03 SB1-04-04	90023603 90023604	FB-01,-02,-03 FB-01,-02,-03	TB-07 TB-07	EW-03,-05,-06 EW-03,-05,-06
WATER SA	MPLES (1991	ע			SOIL SAMP	LES (1991)			
TB10-30-9	1 13113	NA	NA	NA	SB4-1-1	13110, 13115	FB4-1	TB10-30-91	EB3-1,4-1
TB10-31-9		NA	NA	NA	SB4-1-2	13111, 13116	FB4-1	TB10-30-91	EB3-1.4-1
EB3-1	13179, 13187	NA	NA	NA	SB4-1-6	13112, 13117	FB4-1	TB10-30-91	EB3-1.4-1
EB4-1	13194, 13203	NA	NA	NA	SB3-1-1	13109, 13114	FB4-1	TB10-30-91	EB3-1,4-1
FB4-1 TB11-1-91	13195, 13204	NA NA	NA NA	NA NA	SB3-2-2	13173, 13181	FB4-1 FB4-1	TB10-31-91 TB10-31-91	EB3-1.4-1 EB3-1.4-1
FB1-1	13196 13299, 14223	NA NA	NA NA	NA NA	SB4-2-2 SB3-2-1	13176, 13186 13174, 13182	FB4-1	TB10-31-91	EB3-1.4-1
GW1-1	13300	FB1-1	TB11-3-91	EB1-1,1A-1,4-1	SB4-2-1	13177, 13185	FB4-1	TB10-31-91	EB3-1,4-1
TB11-3-91		NA	NA	NA	SB3-1-6	13175, 13183	FB4-1	TB10-31-91	EB3-1,4-1
EB1A-1	14266, 14276	NA	NA	NA	SB3-1-9	13176, 13184	FB4-1	TB10-31-91	EB3-1.4-1
EB1-1	14265, 14275	NA .	NA OF ALL	NA .	SB4-3-1	13191, 13200	FB4-1	TB11-1-91	EB4-1
MW1-02 TRIP BLK.	14267, 14277 14268	FB1-1 NA	TB11-05-91 NA	EB1-1, 1A-1 NA	SB4-3-2 SB4-3-4	13192, 13201 13193, 13202	FB4-1 FB4-1	TB11-1-91 TB11-1-91	EB4-1 EB4-1
FB2-1	14360	NA NA	NA.	NA NA	SB1-1-1	13188, 13197	FB4-1	TB11-1-91	EB4-1
EB2-1	14361	NA.	NA	NA.	SB1-1-2	13189, 13198	FB4-1	TB11-1-91	EB4-1
MW1-01	14354	FB2-1	TB11-6-91	EB2-1	SB1-1-3	13190, 13199	FB4-1	TB11-1-91	EB4-1
MW2-01	14355	FB2-1	TB11-6-91	EB2-1	BG1-1-1	13278, 14202	FB1-1	TB11-3-91	EB1-1, IA-1, 4-1
MW2 -01R	14356	FB2-1	TB11-6-91	EB2-1	BG1-1-2	13279, 14203	FB1-1	TB11-3-91	EB1-1, 1A-1, 4-1
MW4-02 MW4-02R	14358 14359	FB2-1 FB2-1	TB11-6-91 TB11-6-91	EB2-1 EB2-1	BG1-1-3 BG1-1-4	13280, 14204 13281, 14205	FB1-1 FB1-1	TB11-3-91 TB11-3-91	EB1-1, 1A-1, 4-1 EB1-1, 1A-1, 4-1
MW4-01	14357	FB2-1	TB11-6-91	EB2-1	BG2-1-1	13282, 14206	FB1-1	TB11-3-91	EB1-1, 1A-1, 4-1
TB11-6-91	14362	NA	NA	NA NA	BG2-1-2	13283, 14207	FB1-1	TB11-3-91	EB1-1, 1A-1, 4-1
P-8	14398	FB2-1	TB11-7-91	EB2-1	BG2-1-3	13284, 14208	FB1-1	TB11-3-91	EB1-1,1A-1,4-1
P-1	14397	FB2-1	TB11-7-91	EB2-1	SB1-2-1	13285, 14209	FB1-1	TB11-3-91	EB1-1, 1A-1, 4-1
TB11-7-91	14399	NA	NA	NA	SB1-2-2 SB1-2-3	13286, 14210 13287, 14211	FB1-1 FB1-1	TB11-3-91 TB11-3-91	EB1-1, 1A-1, 4-1 EB1-1, 1A-1, 4-1
					SB1-2-3 SB1-2-7	13288, 14212	FB1-1	TB11-3-91	EB1-1, 1A-1, 4-1 EB1-1, 1A-1, 4-1
					SB1-1-7	13289, 14222	FB1-1	TB11-3-91	EB1-1, 1A-1, 4-1
					SB1A-1-1		FB1-1	TB11-3-91	EB1-1, 1A-1, 4-1
						13291, 14214	FB1-1	TB11-3-91	EB1-1,1A-1,4-1
					SB1A-1-3		FB1-1,2-1		EB1-1, 1A-1, 2-1, 4-
						13293, 14216	FB1-1,2-1	TB11-3-91	EB1-1, 1A-1, 2-1 EB1-1, 1A-1, 4-1
						13294, 14217 13295, 14218	FB1-1 FB1-1	TB11-3-91 TB11-3-91	EB1-1, 1A-1, 4-1 EB1-1, 1A-1, 4-1
					SB1A-2-3		FB1-1	TB11-3-91	EB1-1, 1A-1, 4-1
						13297, 14220	FB1-1	TB11-3-91	EB1-1, 1A-1, 4-1
						13298, 14221	FB1-1	TB11-3-91	EB1-1,1A-1,4-1
						14264, 14274	FB1-1	TB11-7-91	EB1-1, 1A-1, 2-1
					SB1A-3-2	14263, 14273		TB-11-05-91	
					CB1_2 - 1				
					SB1-3-1 SB1-3-2	14259, 14269 14260, 14270		TB - 11 - 05 - 91 TB - 11 - 05 - 91	
					SB1-3-1 SB1-3-2 SB1-3-3	14260, 14270 14261, 14271	FB1-1	TB-11-05-91 TB-11-05-91 TB-11-05-91	EB1-1,1A-1
					SB1-3-2 SB1-3-3 SB1-3-3R	14260, 14270 14261, 14271 14262, 14272	FB1-1 FB1-1 FB1-1	TB-11-05-91 TB-11-05-91 TRIP BLK.	EB1-1,1A-1 EB1-1,1A-1 EB1-1,1A-1
					SB1-3-2 SB1-3-3 SB1-3-3R SB1A-1-5	14260, 14270 14261, 14271 14262, 14272 14348	FB1-1 FB1-1 FB1-1 FB2-1	TB-11-05-91 TB-11-05-91 TRIP BLK. TB11-6-91	EB1-1, 1A-1 EB1-1, 1A-1 EB1-1, 1A-1 EB2-1, 4-1
					SB1-3-2 SB1-3-3 SB1-3-3R SB1A-1-5 SB1A-1-5R	14260, 14270 14261, 14271 14262, 14272 14348 14349	FB1-1 FB1-1 FB1-1 FB2-1 FB2-1	TB-11-05-91 TB-11-05-91 TRIP BLK. TB11-6-91 TB11-6-91	EB1-1, 1A-1 EB1-1, 1A-1 EB1-1, 1A-1 EB2-1, 4-1 EB2-1
					SB1-3-2 SB1-3-3 SB1-3-3R SB1A-1-5 SB1A-1-5R SB1A-3-4	14260, 14270 14261, 14271 14262, 14272 14348 14349 14350	FB1-1 FB1-1 FB1-1 FB2-1	TB-11-05-91 TB-11-05-91 TRIP BLK. TB11-6-91 TB11-6-91 TB11-6-91	EB1-1, 1A-1 EB1-1, 1A-1 EB1-1, 1A-1 EB2-1, 4-1
					SB1-3-2 SB1-3-3 SB1-3-3R SB1A-1-5 SB1A-1-5R	14260, 14270 14261, 14271 14262, 14272 14348 14349 14350	FB1-1 FB1-1 FB1-1 FB2-1 FB2-1 FB2-1	TB-11-05-91 TB-11-05-91 TRIP BLK. TB11-6-91 TB11-6-91	EB1-1, 1A-1 EB1-1, 1A-1 EB1-1, 1A-1 EB2-1, 4-1 EB2-1 EB2-1
					SB1-3-2 SB1-3-3 SB1-3-3R SB1A-1-5 SB1A-1-5R SB1A-3-4 SB1A-3-4R SB1-2-5 SB1-2-5R	14260, 14270 14261, 14271 14262, 14272 14348 14349 14350 14351 14352 14353	FB1-1 FB1-1 FB1-1 FB2-1 FB2-1 FB2-1 FB2-1 FB2-1 FB2-1	TB-11-05-91 TB-11-05-91 TRIP BLK. TB11-6-91 TB11-6-91 TB11-6-91 TB11-6-91 TB11-6-91	EB1-1, 1A-1 EB1-1, 1A-1 EB1-1, 1A-1 EB2-1, 4-1 EB2-1 EB2-1 EB2-1 EB2-1 EB2-1 EB2-1
					SB1-3-2 SB1-3-3 SB1-3-3R SB1A-1-5 SB1A-1-5R SB1A-3-4 SB1A-3-4R SB1-2-5	14260, 14270 14261, 14271 14262, 14272 14348 14349 14350 14351 14352	FB1-1 FB1-1 FB1-1 FB2-1 FB2-1 FB2-1 FB2-1 FB2-1	TB-11-05-91 TB-11-05-91 TRIP BLK. TB11-6-91 TB11-6-91 TB11-6-91 TB11-6-91 TB11-6-91	EB1-1, 1A-1 EB1-1, 1A-1 EB1-1, 1A-1 EB2-1, 4-1 EB2-1 EB2-1 EB2-1 EB2-1 EB2-1

containing the environmental samples to be analyzed for VOCs using EPA Method 8240 and the March 1990 EPA CLP SOW. Table F-2b summarizes the concentrations of the detected VOCs in the trip blank samples collected during Indiana ANGB SI.

Twelve Eleven trip blanks were collected and analyzed for VOCs using EPA Method 8240 and 7 trip blanks were collected and analyzed for VOCs using the March 1990 CLP SOW. Methylene chloride was detected in TB-04 (150 μ g/L), TB-05 (3J μ g/L), TB-07 (4J μ g/L), TB-08 (4J μ g/L), TB-09 (24 μ g/L), TB-10 (29 μ g/L), TB-11 (23J μ g/L), and TB-12 (4J μ g/L). Data validation qualifiers (i.e., "U[TB]) were applied to the methylene chloride detected in the MW4-02 associated with TB-08, P-2 associated with TB-09, MW2-01 associated with TB-11, SB2-02-01 and SB2-03-1 associated with TB-05, and SB2-01-19R associated with TB-07. Methylene chloride was detected in TB11-6-91 and TB11-7-91. No data validation qualifiers were applied to the methylene chloride associated with environmental samples, since the methylene chloride was detected in the laboratory blank associated with these field QC blanks, the methylene chloride concentrations were considered undetected (i.e., "U[MB]). Carbon disulfide was detected in TB-01 (3J μ g/L) and TB-02 (4J μ g/L), benzene was detected in TB-01 (4 μ g/L), TB-02 (3 μ g/L), and TB-03 (3 μ g/L), and xylenes was detected in TB-01 (27 μ g/L), TB-02 (20 μ g/L), and TB-03 (15 μ g/L). No data validation qualifiers were applied since carbon disulfide, benzene, and xylenes were not detected in the associated environmental samples. No other VOCs were detected in the trip blanks.

F.2.2 Field Blanks

Field blanks were collected to provide baseline analytical data for the water used for equipment decontamination (i.e., ASTM Type II reagent water) and in the steamcleaner equipment (i.e., potable water). They are collected at a rate of 1 per source per event. Field blanks were collected by randomly selecting sample containers from the supply, filling them with the appropriate water source, and then preserving and analyzing these blanks for the same compounds and using the same laboratory methods as those used for the associated environmental samples. Table F-2c summarizes the concentrations of the elements and compounds detected in the field blanks collected during the Indiana ANGB SI.

	Table P-2	b. Data Sa	Table P-2b. Data Summary: Trip Blanks	Blacks (1990)	- 122 ⁸⁰ Tack	ical Piehter V	Vine, Indiana	Air National	Gnard, Ft. W.	vac. Indiana			
SAIC ID Number		TB-01	TB-02	TB-03	TB-04	1	TB06	TB-07 TB-06	TB-66	M TR-OWN	TR 10	110-01	*** G#
Laboratory Sample Number		90021712	90021713	90021714	90021807		900224TB	900236TB	90023902	**************************************	1007	7460	71-01
Associated Pield QC Samples		۲z	₹	¥	۷ ۲	Š	ž	Ž	×	ž	V.	X	
Parameter	Unite									•	Ē	\$	5
VOLATILE ORGANIC COMPOU	SONO												
Methylene Chloride	18	S U	S U	o s	150	3.3	ž	7	f 7	24	*	*	. 7
Carbon Disulfide	H.M.	33	7	n s	SU	3.0	¥Z.	= 5	= >	=	=	3	; ;
Bentene	#eA.	•			=		: *	2	=			2 :) :
A. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		. 5	•	• ;);) ;	<u> </u>) }	,	•	2	2	ב י
I of all Ayrenes	¥,	,	8	2	3 U	20	۲ ۲	2	20	2	2	2.0	~
ric Totals	HO/L	9	9	000	9	9	Y.	(0)	(g) •	9	¥	×	ž

J - endmated value
 NA - not analyzed
 U - compound/element was included in analyzia, but was not detected
 (a) Sample was incorrectly labelled on Chain-of - custody as TB-00

Samples WIC OD	TB10-30-31 TB10-31-31 TB10-31-31 TB13 TB13 TB13 TB13 TB13 TB13 TB13 TB	TRI0-31-91	TB11-1-91 131% NA	196 1391 196 13301 NA NA	TRIP BLNK 14268 NA	FI. Wayne, Indian. TBII-6-91 14342 NA	(Costissed) BII = 7 - 91 1399 NA
Carbon Disuffide Benache Nyfene (coa.) TIC Totale MB - compoundérie mens van also detected	10 (6) (6) (6) (6) (6) (6) (6) (6) (6) (6)	5 C C C C C C C C C C C C C C C C C C C	5 U S U S U S U S U S U S U S U S U S U	2 C C C C C C C C C C C C C C C C C C C	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	S U(MB) S U S U S U	S U(MB)

Table F-2c. Data Summary: Field Blanks (1990 and 1991) - 122nd Tactical Fighter Wing, Indiana Air National Guard, Ft. Wavne, Indiana

		Indiana Air National	nonal Cuard, F	t. Wayne, India	2		
SAIC ID Number		_	FB-02	FB-03	- ISI	F132-1	FB4-1
Laboratory Sample Number	ኟ	90021708	9002 I 7K)	90023606	13299, 14223	14360	13195, 13204
Associated Field QC Samples		۲×	٧X	<z< th=""><th>ž</th><th>X</th><th>×</th></z<>	ž	X	×
Parameter Un	Units					•	•
Total Petroleum Hydrocarbons mg/L.	2	I UJ(IIT)	1 UJ(171)	n1	10	10	N.
·	3	≺X	\ \ \	~	ž	×	ח
TPH as Gasoline mg/L	, 5	Ş	<u>۲</u>	<z< td=""><td>\ Z</td><td>< Z</td><td>0.05 U</td></z<>	\ Z	< Z	0.05 U
	ヹ	Š	~	×	×	۲Z	0.05 U
TPH As Motor Oil mg/L	7	₹ Z	< Z	ž	۲ ۲	Y	0.5 U
METALS							
	•	11 00 0	2001	WILM	-		10 0747
8		2.00	0.00.0	2.00 C		2:	(8),81M), v
	-	2.00 0	O (M)	2.00	(9)(1)	2	(3) (3)
i	7	14.00 J(B)	10.00 U	D 00:01	2 J(MB,B)	2 U	16.5 J(B)
	7	3.40 J(MB)	2.60 J(MB,B)	1.40 J(MB,B)	ח	<u>n</u> .	3 J(MB,B)
-	7	12.00 U	12:00 U	12.00 U	N 9	0 9	, 19
Zinc	T.	7.00 U	80.00	7.00 U	5.1 J(MB.B)	S U	11.1 J/MB.B)
Total Dissolved Solids 48/L	Į.	230	150	۲×	V.V.	Y.	VN
VOLATILE ORGANIC COMPOUNDS							
Mathaban Chivida	•	11.3	113	•		107100	
	₹ •) (0 ;	4 (2 :	S U(MIS)) (
	₹,) 		32	200		2
	7	S C	ç	5 U	SU	s U	2.0
oethane	=	s O	v .	20	SU	S U	SU
	Ź.	S U	-	92	S U	S U	13
	٦.	S U	v.	20	SU	S U	S U
cis-1,3-Dichloropropene	7	SU	1.	n s	n s	S	n s
	7	SU	2	5 U	S U	S C	2.0
Benzene	7	30	S	30	S U	20	2 0
1,1,2,2-Tetrachloroethane µg/l.	7	S U	v.	S U	5 U	S U) S
	, -	s U		3.0	n s	3 6	2.5
chzene	7	SU	٠.	SU	20	n s	200
Styrene HR/L	7	SU	٠.	. S. U.	3 U) S	0.5
henes	٦	n s	15	s O	DS.	200) S.
1,2,3-Trichtoropropane µg/L	J.	10 U	8.1	D 01	\ Z	X	۲ ۲
SEMIVOLATILE ORGANIC COMPOUNDS	SON						
bis(2—Ethylhexyl)phthalate ug/	A.	10 13	12	11 01	11 01	=======================================	101
	بے نے	× ×	? Z) 2 2	000	5 8	99
			•	•			
ORGANOCIII.ORINE PESTICIDES/PCIIS	183	QN	QX	<u> </u>	CZ	ŝ	Ç
R . the reported value is netimated because it is		the last the	Date of	1111			

B - the reported value is estimated because it is greater than the Instrument Detection Limit (IDL), but less than the Contract Required Detection Limit (TRL).

IT - sample analysis holding time greater than control limit

MB-compound/element was also detected in the associated laboratory method blank J - estimated value

NA – not analyzed
ND – not detected
U – compound/element was included in analysis, but was not detected

Volatile Organic Compound Analysis--Three field blanks (i.e., FB-01, FB-02, and FB-03) were collected and analyzed for VOCs using EPA Method 8240 and 3 field blanks (i.e., FB4-1, FB1-1, and FB2-1) were collected and analyzed for VOCs using the March 1990 CLP SOW. Toluene was detected in FB-02 (6 μ g/L). Data validation qualifiers (i.e., "U[FB]") were applied to the toluene detected in SB2-01-02 and SB2-03-01. Carbon disulfide, 1,1-dichloroethane, chloroform, 1,2-dichloropropane, cis-1,3-dichloropropene, trichloroethene, benzene, 1,1,2,2-tetrachloroethane, chlorobenzene, styrene, and xylenes were detected in FB-02; methylene chloride, acetone, and chloroform were detected in FB-03; chloroform was detected in FB4-1; and methylene chloride was detected in FB1-1. No data validation qualifiers were applied, since these VOCs were not detected in the associated environmental samples. Methylene chloride was detected in FB2-1. Since methylene chloride also was detected in the laboratory method blank associated with FB2-1, the methylene chloride concentration was considered undetected (i.e., "U[MB]"). No other VOCs were detected in the field blanks.

Semivolatile Organic Compound Analysis—Three field blanks (i.e., FB-01,FB-02, and FB-03) were collected, extracted, and analyzed for SVOCs using EPA Method 8270. Three field blanks (i.e., FB4-1, FB1-1, and FB2-1) were collected, extracted, and analyzed for SVOCs using the March 1990 CLP SOW. bis(2-Ethylhexyl)phthalate was detected in FB-02 ($12\mu g/L$). No data validation qualifiers were applied, since this SVOC was not detected in the associated environmental samples.

Pesticides/PCBs Analysis--Three field blanks (i.e., FB-01, FB-02, and FB-03) were collected, extracted, and analyzed for pesticides/PCBs using EPA Method 8080. No pesticides or PCBs were detected, and as a result, data validation qualifiers were not applied.

Total Dissolved Solids (TDS) Analysis — Two field blanks (i.e., FB-01 and FB-02) were collected and analyzed for TDS using EPA Method 160.1. TDS was detected in FB-01 (i.e., 230 mg/L) and FB-02 (i.e., 150 mg/L). As a results data validation qualifiers were applied to MW4-02 (i.e., 620J[FB] mg/L), P-2 (i.e., 610J[FB] mg/L), MW2-01 (i.e., 560J[FB]

Priority Pollutant Metals -- Six field blanks (i.e., FB-1, FB-2, FB-3, FB1-1, FB2-1, and FB4-1) were collected during the Indiana ANGB SI and analyzed by the NET Laboratory for priority pollutant metals. Interferences were detected in all field blanks associated with the environmental samples. As a result, all element concentrations detected in the associated environmental samples were qualified (i.e., "J[FB]") to indicate that the element concentrations were less than five times the concentrations detected in the associated field blanks. These results are presented in the data presentation tables located in Appendix E. However, the potable water used to prepared the field blank is not considered to be a source of the elements detected in these samples nor are the QC blank results considered to have any adverse impact on the environmental data quality.

Total Petroleum Hydrocarbon and Oil and Grease Analyses -- Five field blanks (i.e., FB-01, FB-02, FB-03, FB1-1 and FB2-1) were prepared during the Indiana ANGB SI and analyzed by NET Laboratory for TPH. Two field blanks (i.e., FB2-1 and FB4-1) were prepared during the Indiana ANGB SI and analyzed by NET laboratory for oil and grease. No TPH and oil and grease interferences were detected.

F.2.3 Equipment Blanks

Equipment blanks were prepared for manual and small automated sampling equipment used to collect environmental samples. Equipment blanks were collected each day by pouring ASTM Type II reagent water through a recently decontaminated piece of equipment into a prepared sample container appropriate for the required analysis. Equipment blanks were collected at a rate of 10 percent of the samples collected. Equipment blanks were shipped to the laboratory on alternate days to be analyzed using the methods required for the environmental samples collected on the same day. Table F-2d summarizes the concentrations of the compounds and elements detected in the equipment blanks collected during the Indiana ANGB SI. The following subsections summarize the compounds and elements detected in these blanks and the impact of this interference on the environmental data quality.

7) NA 10 NA 10 NA 10 NA 10 NA NA NA NA NA NA NA NA NA NA NA NA NA	C Samples Units Voicearbons mg/L mg/L mg/L mg/L	NA NA NA NA NA NA NA	90021711 NA	90021808						
1) NA NA NA NA NA NA NA NA NA NA NA NA NA	ydrocarbous	I UJ(HT) NA NA NA		ž	90022314 NA	90022401 NA	1:W -06 90023605 NA		EW-08 90025103	EW-09 90025104
HAN NA NA NA NA NA NA NA NA NA NA NA NA N		< < < < < < × × × ×	VN	TIMIT.			S	ζ	< 2	~
HA NA NA NA NA NA NA NA NA NA NA NA NA NA		< < < < < × × × × × ×	4	NA AN	< < Z Z	<u> </u>	YZ	101		
NA		< < 2 Z	۲	۷.	< <	S 3	٧X	ž	. A	- - 2
B) NA 200 UW NA NA NA 200 UW NA 200 U NA NA 10.00 U NA NA 10.00 U NA NA 10.00 U NA NA 10.00 U NA NA NA NA NA NA NA NA NA NA NA NA NA		S E	۲ ۲	~	ž	ς <	Y	VV	VN	< × ×
B) NA 200 UW NA NA 10.00 U NA NA 10.00 U NA NA NA NA NA NA NA NA NA NA NA NA NA	57		< Z	Ş	< Z	< <	< < Z 7	4 2	٧	X
NA 2.00 UW NA NA 2.00 U NA NA 10.00 U NA NA 10.00 U NA NA NA NA NA NA NA						•	\$	K	¥	< Z
NA 2.00 UW NA 2.00 UW NA 2.00 U NA NA 10.00 U NA NA 10.00 U NA NA 10.00 U NA NA NA NA NA NA NA NA NA NA NA NA NA		2.00 UW	2	: 00 (;					
B) NA 10.00 U NA NA 10.00 U NA NA 10.00 U NA NA NA NA NA NA NA NA NA NA NA NA NA	•	2.00 U	< Z	2.00.0	< :	2.00 UW	٧×	4.30 J(B)	2	
B) NA 6.20 (MB) NA NA 7.00 (U NA NA 7.00 (U NA NA NA NA NA NA NA NA NA NA NA NA NA		10.00 C	Y Z	00.01	< < Z Z	2.00 U	< 2	2.00 U	(4	2.00 0
B) NA 7.00 U NA NA NA NA NA NA NA NA NA NA NA NA NA		1.30 J(MB,B)	< 2	1.30 JUNER		10:00 U	< Z	10.00 U	× ×	0 00 04
3		9.00 J(MB,B)	Y Z	14.00 J(MB.B)		6.20 J(MB)	X	2.10 J(MB,B)	ž	7.00 C
3.1 NA 5.0 10.1 NA 10.0 2.1 NA 10.0 2.1 NA 14 0.0) NA 14 NA NDR(EHT) NA NA NA NA NA		< Z	<	≺X		3 4	S	7.00 U	ž	GENT CO
3.1 NA 5.0 10.1 NA 10.0 2.1 NA 10.0 0.0) NA 14 0.0) NA NA NDR(1317) NA NA	OLATILE ORGANIC COMPOUNDS				•	ζ.	< Z	< z	50 J(MB)	NA AN
3.1 NA 5.U 10.U NA 10.U 2.1 NA 10.U 0(0) NA 14 0(0) NA ND R(1317) NA NA		*	;						•	
10 U NA 10 U U U U NA NA 10 U U U U U U U U U U U U U U U U U U		< 2	S :	X:	3.1	×		•		
O(0) NA O(0) NA NDR(1917) NA NA NA		< X	< <	< :	10 C	2	2 =	2 ;	\$	•
0 (0) NA 0 (0) NA NA NA NA NA NA NA NA NA		< ×	۲ :	<z< td=""><td>21</td><td>*</td><td>2 :</td><td>7</td><td>\$</td><td>=</td></z<>	21	*	2 :	7	\$	=
NA NDR(EIT) NA NA NA NA		S	ζ.	Υ.	0 (0)	< ×	<u> </u>	a ;	*	*
NA NDR(ESIT) NA NA NA	SMIVOLATILE ORGANIC COMPOUNDS	2	4	í		•	9	<	< Z	< z
₹Z	C lotal	Y Z	< <u><</u>	2 ×	< :	ND R(EHT)	Y Z	SX	2	!
	ROANOCHI ORINE PRETICIDES MOIL	:	•	5	< Z	\	۲ ۲	< Z	< <	2 ×
	The terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of the terror of th	V.V	ž	V.		;			•	C L

EHT — extraction holding time greater than control limit

If — sample analysis holding time greater than control limit

I — estimated value

MB — compound/element was also detected in the associated laboratory method blank

MB — compound/element was also detected in the associated laboratory method blank

R — rejected value

U — compound/element was included in analysis, but was not detected

W — post — digestion spike for Graphite Furnace Atomic Absorption (GFAA) analysis is out of control limits (85—115%), white nample absorbance is less than 50% of the spike absorbance

Table F-2d. Data Summary: Equipment Blanks (1991) - 122nd Tactical Fighter Wing, Indiana Air National Guard, Ft. Wayne, Indiana (Continued)

	EBIA-1	EBI-1	EB2-1	EB3-1	EB4-1
Laboratory Sample Number	14266	14265	14361	13179	13194
Associated Field QC Samples				1	
Parameter Units					
Total Petroleum Hydrocarbons mg/L	10	10	10	10	YX
Oil And Grease mg/		٧×	10	10	٧X
92	L NA	××	۲×	٧X	۲×
TPH As Diesel		٧×	۲×	۲×	0.05 U
TPH As Motor Oil mg/L		٧×	Y X	٧	0.5 U
METALS					
	10	10	1 U	Š	×
	10	1.8 J(B)	1 U	×	×
	L 3.7 J(MB,B)	4.3 J(MB,B)	2 U	٧×	\Z
Lead		10	10	۲	10
Zinc Hell	L 8.4 J(MB,B)	8.2 J(MB,B)	S U	×	٧
VOLATILE ORGANIC COMPOUNDS					
	3.5	S U	S U(MB)		SU
	=	D 01	D 01		10 OI
Chloroform	ns 1	S U	20	SU	SU
TIC Totals Mg/L	(0) o	000	(O) (O)		000
SEMIVOLATILE ORGANIC COMPOUNDS	ON SC	ΩN	Q	QN	٧×
TIC Total µg/L	(0) 0	000	000	000	۲ ۲
OBOANOCHI OBINI BEGITCIDE ME NA NA NA NA NA NA NA NA NA NA NA NA NA	×N	4 2	**	Ž	Ž

B - the reported value is estimated occusse a segrence constitution Limit(CRDL)

J - estimated value

MB - compound/element was also detected in the associated laboratory method blank

MA - not analyzed

ND - not detected

U - compound/element was included in analyzis, but was not detected

Volatile Organic Compound Analysis -- Five equipment blanks (i.e., EW-04, EW-06, EW-07. EW-08, and EW-09) were collected and analyzed by NET Laboratory (former SAIC Laboratory) for VOCs using EPA Method 8240. Five equipment blanks (i.e., EBI-1 EB-1, EB1A-1, EB3-1, EB4-1, and EB2-1) were collected and analyzed by the NET Laboratory for VOCs using the March 1990 CLP SOW. Methylene chloride was detected in EW-04 (3J µg/L). As a result, data validation qualifier has been applied to the SB-B-02R (6U[EB]) μ g/kg) to indicate that the concentration detected in SB-B-02R is less than 10 times than that detected in the EW-04. Methylene chloride was detected in EW-07, EW-09, and EB1A-1. Data validation qualifiers were not applied, since no methylene chloride was detected in the associated environmental samples. Methylene chloride detected in EB2-1 was qualified (i.e., "U[MB]") to indicate that methylene chloride concentration detected in EB2-1 was less than 10 times that detected in the associated laboratory method blank. Acetone was detected in EB1A-1, as a result acetone concentration in SB1-3-1 was qualified (i.e., "U[EB]") to indicate that the acetone concentration in the sample is less than that detected in the associated equipment blank. Chloroform was detected in EW-04 (21 μ g/L), EW-06 (14 μ g/L), EW-07 (25 μ g/L), EW-08 $(36 \mu g/L)$, and EW-09 $(26 \mu g/L)$ and acetone was detected in EW-07 $(21 \mu g/L)$ and EW-09 (14μg/L). No data validation qualifiers were applied since these VOCs were not detected in the associated environmental samples.

Semivolatile Organic Compound Analysis -- Five equipment blanks (i.e., EW-01, EW-03, EW-05, EW-07, and EW-09) were collected, extracted, and analyzed by the NET Laboratory for SVOCs using EPA Method 8270. Four equipment blanks (i.e., EB1-1, EB1A-1, EB3-1, and EB2-1) were collected, extracted, and analyzed by the NET Laboratory for SVOCs using the March 1990 CLP SOW. No SVOCs were detected.

Pesticides/PCBs Analysis -- One equipment blank (i.e., EW-04) were collected, extracted, and analyzed for organochlorine pesticides and PCBs using EPA Method 8080. No pesticides/PCBs were detected.

Priority Pollutant Metals -- Eight equipment blanks (i.e., EW-01, EW-03, EW-05, EW-07, EW-09, EB1A-1, EB2-1, and EB4-1) were collected and analyzed by the NET

Laboratory for priority pollutant metals. No interferences were detected in these equipment blanks at the concentrations that were greater than 5 times that detected in the associated samples, except sodium in EB1A-1. As a result, sodium concentration detected in the associated sample were qualified (i.e., "J[EB]") to indicate that the sodium concentrations were less than five times the concentrations detected in EB1A-1. These results are presented in the data presentation tables located in Appendix E.

Total Petroleum Hydrocarbon and Oil and Grease Analyses -- Ten equipment blanks (i.e., EW-01, EW-03, EW-05, EW-07, EW-08, EW-09, EB3-1, EB1-1, EB1A-1, and EB2-1) were collected and analyzed by NET Laboratory for TPH. Two equipment blanks (i.e., EB3-1 and EB3-1) were collected and analyzed by NET Laboratory for oil and grease. No TPH and oil and grease interferences were detected.

Total Dissolved Solids (TDS) Analysis -- One equipment blank (i.e., EW-08) was collected and analyzed by NET Laboratory for TDS using EPA Method 160.1. TDS was detected in EW-08 (i.e., 50 mg/L). No data validation qualifiers were applied, since no TDS was detected in the associated environmental samples at the concentration less than 5 times that detected in EW-08.

F.2.4 Field Replicates

One replicate environmental sample was collected for every 10 environmental samples, per matrix, as required by DOE/HWP-6965/R1. The RPD value of each detected compound or element was reviewed to assess the sample collection reproducibility and matrix variability. A total of 78 soil samples (i.e., soil and sediment) and 5 replicate samples, in addition to 13 water and 3 replicate samples were collected. Samples to be analyzed for VOCs were collected during the 1990 field effort in 40-mL vials immediately and the remainder of the split-spoon contents were spread onto a Teflon® board. Samples to be analyzed for SVOCs, pesticides/PCBs, and priority pollutant metals were containerized after the entire split-spoon contents were mixed as thoroughly as possible. Samples were collected in split spoon liners during the 1991 field effort. A 25 and 35 percent RPD reference value for water and soil samples, respectively, was used to determine matrix interferences that could not be overcome

values exceeded 25 and 35 RPD for the compounds and elements detected were not qualified. Table F-2e summarize the concentrations of the compounds and elements detected with the soil and groundwater replicate pour collected during the Indian ANGB SI.

Volatile Organic Compound Analysis -- Three soil (i.e., SB1A-1-5, SB1-2-5, and SB1A-3-4) and 1 groundwater (i.e., MW2-01) samples were collected during the Indiana ANGB SI and analyzed for VOCs using the March 1990 EPA CLP SOW. RPD values were not calculated for compounds not detected in both the sample and duplicate sample and for compounds detected at concentrations below the sample detection limit. The RPD values calculated for all other detected compounds were less than the applicable control limit, except toluene in SB1A-3-4 and SB1A-3-4R [141 percent]. As a results, data validation qualifiers (i.e., "J[FR]") have been added to the applicable toluene values presented in the data presentation tables located in the Appendix E to indicate soil matrix variability. The results from re-analyzed SB1-2-5 and SB1-2-5R were used to calculate RPD values.

Semivolatile Organic Analysis--One replicate soil (i.e., SB1-02-03) sample were collected, extracted, and analyzed during the Indiana ANGB SI and analyzed for SVOCs using EPA Method 8270. Four soil samples (i.e., SB1A-3-4, SB1-3-3, SB1A-1-5, and SB1-2-5) and one groundwater samples (i.e., MW2-01) were collected, extracted, and analyzed for SVOCs using the March 1990 EPA CLP SOW. RPD values were not calculated for compounds not detected in both the sample and duplicate sample, for compounds detected in one sample and reported at concentrations below the sample detection limit in the duplicate sample, for compounds commonly considered laboratory contaminants (e.g., phthalates), and for Tentatively Identified Compounds (TICs). Therefore, no RPD values were calculated for SB1A-3-4, SB1A-3-4R, SB1-3-3, SB1-3-3R, SB1A-1-5, SB1-2-5, SB1-2-5R, MW2-01, and MW2-01R. All RPD values were less than the applicable control limit.

Pesticide/PCB Analysis - No replicate field samples were collected during the Indiana ANGB SI and analyzed for pesticides/PCBs.

1-1.4272 FB1-1 FB1-1 FB1-1 FB1-1 S-7.1(°) 0.57 J(B,N) 3.4.1(B,N) 0.53 J(MB,B) 0.46 U 3.3 UJ(N) 0.46 U 3.3 UJ(N) 0.46 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U	
SBI-3-3R 14862, 14272 1486, 14272 3.3 UJ(N) 3.3 UJ(N) 0.79 J(MB,B) 0.49 U 0.23 UJ(N) 0.47 U 0.23 UJ(N) 0.47 U 0.23 UJ(N) 0.47 U 0.23 UJ(N) 0.47 U 0.40 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U 400 U	
bic Pr. 2c. Recults of Replicated Soil Sampling and Analysis (1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1991) for 1/20. [1990 and 1990] for 1/20. [1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1	
Seated Soil Sampling at 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	D 1
Table F-2c. Results of Replicated Soil Samplin 1722s Table F-2c. Results of Replicated Soil Samplin 1722s Table F-2c. Results of Replicated Soil Samplin 1722s Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Table Tab	4 - spirco. NA - not analyzed NA - not analyzed NA - not analyzed NA - not analyzed R - rejected value R - rejected value SSR - sample surrogate recovery outside of control limits U - compound/element was included of control limits U - compound/element was include of control limits 0 - duplicate sample analysis outside of control limits - duplicate sample analysis
Table F-2e. Results 122st Tacifical Fight 10C Samples Units EW-03-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-03-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-03-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03 FB-01,-02-03	ogate recovery outside ement was included in a smalysis outside of the
Table FI-2e. Result Table FI-2e. Result AIC ID Number Associated Field QC Samples Parameter The Hold QC Samples Parameter In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976 In 1976	N - spired NA - not amalyzed NA - rejected value R - rejected value SSR - sample surr SSR - compound/ele U - compound/ele duplicate sam
SAIC ID Number Laboratory Sample Number Laboratory Sample Number Laboratory Sample Number Total Petroleum Hydrocarbour Total Petroleum Hydrocarbour Aremic Beryllium Chromium Copper Lead Mercury Nickel Selenium Silver Thallium Zinc Toluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluene Troluen	

Table F-2e. Results of Replicated Soil Sampling and Analysis (1990 and 1991) for

122	122nd Tactical Fig	l Fighter Wing, Indiana	hter Wing, Indiana Air National Guard, Ft. Wayne, Indiana (Continued)	r National Guard, Ft. Wayne, Indiana (Continu	Continued)	
SAIC ID Number		SB1A-1-5	SB1A-1-5R	SB1A-1-5	SB1A-3-4	SB1A-3-4R
Laboratory Sample Number		14348	14349	13293, 14216	14350	14351
Associated Field QC Samples		FB2-1	FB2-1	FB1-1, 2-1	FB2-1	FB2-1
•		TB11-6-91	TB11-6-91	TB11-3-91	TB11-6-91	TB11-6-91
Parameter	Culte	EB2-1, 4-1		EB1-1, 1A-1, 2-1	EB2-1	EB2-1
Total Petroleum Hydrocarbons	mg/kg	20 C	N 05	D 08	N 08	1 U
INORGANICS						
A -1:	Br	COLLINA	7.0711763		A A THYNIA	1011100
Ammin	9 de 18	5.5 C)(N)	3.2 C3(M)	3.2 UJ(N)	5.5 CJ(N)	3.2 U3(N)
	HILL SAN	10:0 K(14)		5.7	S. R. N.	II.o R(N)
Beryllium	mg/kg	0.0 J(B)	0.01 J(B)	0.5 J(B)		0.54 J(B)
Cadmium	mg/kg	0.23 U	0.34 J(B)	0.92 J(MB,B)	0.71 J(B)	0.46 J(B)
Chromium	mg/kg	19.5	19	17		17.4
Copper	mg/kg	42.6	25	24 J(N.*)	43.7	77
Lead	me/ke	11.4	10.8	10.2	13.8	11.9
Mercury	mø/ke	0.12 UIVHT)	0.11 III(HT)	11.0	0 1 HIGHT	0.1 LIGHT
Nickel	me/ke	30.4	30.2	33.0	30.4	27.0
Selenium	me/ke	0.23 U	0.23 UW	0.22 []	0.42 J/B)	0.24 UW
Silver	me/ke	0.47 U	0.46 U	0.45 U	0.46 U	0.46 U
Thallium	me/ke	0.23 U	0.24 J(MB.B)	0.68 J/B)	1.1 J(MB.B)	
Zinc	mg/kg	108 •	70.	72.7	95.3(*)	
VOI ATII R ORGANICS (SOW 300)	(3/00)					
Methylene Chloride	mo/ko	98	31.0	1102	Æ	181
Acetone	#E/Ke	58.1) [) 19 (1 19	<u> </u>	62 11
Toluene	ue/ke	0.09	440	9	640 J(FR)	110 JER)
TIC Total	#g/kg	000	(0) 0	000	(e) 0	000
SEMINOLATILE ORGANICS (SOW 1991)	(VOL MOS)					
Fluoranthene	197ke (197ke	410 UJEHT)	1 004	410 R/RHT)	4101	410 LIJCSR)
Pyrene	ue/ke	410 UJ(PHT)	400 1	410 R/FHT	41017	410 [1](SSB)
Benzolbifisoranthene	0.7kg	410 LIJ/PHT)	400 11	410 R(FHT)	41011	410 LIKSER)
Benzo(k)fluoranthene	ue/ke	410 UJ(BHT)	400 U	410 R/RHT)	410 []	410 [1](SSR)
Benzolalmene	110/kg	410 III(RHT)	40011	A10 R(RHT)	11017	(110) [11(SSB)
TIC Total	me/ke	4990 (15)	20420 (19)	12600 (20)	7610 (18)	6240 (13)
of the enite observance		7.23	727.222	7-27 222-	75=7 5=5:	752

of the spike absorbance

B - the reported value is estimated because it is greater than the Instrument Detection Limit (IDL), but less than the Contract Required Detection Limit(CRDL)

EHT – extraction holding time outside control limits
FR – field replicate relative percent differences (RPDs) outside control limits
HT – sample analysis holding time greater than control limit

J - estimated value

MB – compound/element was also detected in the associated laboratory method blank

N – spiked sample recovery outside of control limits

R – rejected value

SSR – sample surrogate recovery outside control limits

U – compound/element was included in analysis, but was not detected

W – post – digestion spike for Graphite Furnace Atomic Absorption (GFAA) analysis is out of control limits (85–115%), while sample absorbance is less than 50%

- duplicate sample analysis outside of control limits

122nd Tactical Fighter Wing. Indiana Air National Guard, Ft. Wayne, Indiana (Continued) Table F-2e. Results of Replicated Groundwater Sampling and Analysis (1991) for

122 I actical Figurer wing, indiana Air Ivational Guard, Fr. Wayne, Indiana (Continued)	ng, ma	ana Aif National	Guard, Ft. Wa	/nc, indiana (1	Continued)
SAIC ID Number		MW2-01	MW2-01R	MW4-02	MW4-02R
Laboratory Sample Number		14355	14356	14358	14359
Associated Field QC Samples		FB2-1	FB2-1	FB2-1	FB2-1
		TB11-6-91	TB11-6-91	TB11-6-91	TB11-6-91
Parameter	Units	EB2-1	EB2-1	EB2-1	EB2-1
Oil And Grease	mg/L	1 U	ဇ	NA	NA
Total Petroleum Hydrocarbons	mg/L	1 U	1 U	NA	NA
TPH as Gasoline	mg/L	NA	NA	0.05 U	0.05 U
TPH As Diesel	mg/L	NA	NA	0.05 U	0.05 U
TPH As Motor Oil	mg/L	NA A	NA	0.5 U	0.5 U
INORGANICS					
Antimony	$\mu g/L$	14 UJ(N)			NA
Arsenic	μ g/L	24.8			NA AN
Beryllium	$\mu g/\Gamma$	1.8 J(B)		NA NA	A'N
Chromium	μ g/L	69.1			NA AN
Copper	μ g/L	82.3			N A
Lead	μ g/L	43.4			11.6
Nickel	μ g/L	76.8			NA
Zinc	$\mu g/L$	179	165		NA AN
VOLATILEORGANICS(SOW 3/90)	•	ND	ND	N	N A
SEMIVOLATILEORGANICS(SOW 3/90) TIC Total Light	V 3/90) µg/L	(1) (1)	8 (2)	AN	NA

F-28

B - the reported value is estimated because it is greater than the Instrument Detection Limit (IDL), but less than the Contract Required Detection Limit(CRDL)

J - estimated value

N - spiked sample recovery outside of control limits

NA - not analyzed

ND - not detected

U - compound/element was included in analysis, but was not detected

Priority Pollutant Metals - Five replicate soil (i.e., SB1-02-03, SB1-3-3, SB1A-1-5, SB1-2-5, and SB1A-3-4) and 2 groundwater (i.e., MW4-02 and MW2-01) samples were collected during Indiana ANGB SI and analyzed for priority pollutant metals using the EPA solid waste methods cited in Section F.3. RPD values were not calculated for those elements that were not detected in both the sample and duplicate sample, for elements that were detected in one sample and not detected in the duplicate sample. All RPD values were within control limits (i.e., 30 and 50 percent for water and soil samples, respectively) for all element concentrations greater than five times the CRDL in both the sample and duplicate sample, except for lead in (86 percent) in SB1-3-3 and SB1-3-3R. As a result data validation qualifiers were applied (i.e., "J[FR]") to the applicable lead values presented in the data presentation tables located in Appendix E to indicate this matrix variability.

The CRDL criteria were met for all elements detected in concentrations less than five times the CRDL in the sample or in the duplicate samples, or in both the sample and duplicate samples.

sediment samples and 11 groundwater samples were collected during the Indiana ANGB SI and analyzed for TPH using EPA Method 418.1. Five soil samples (i.e., SB1-02-03, SB1-3-3, SB1A-1-5, SB1A-3-4, and SB1-2-5) and one groundwater sample (i.e., MW2-01) was collected in duplicate. Five soil samples and 2 groundwater samples were collected during Indiana ANGB SI and analyzed for oil and grease using EPA Method 413.2. One groundwater sample (i.e., MW2-01) was collected in duplicate. No soil samples were collected in duplicate and analyzed for oil and grease. RPD values were not calculated for TPH that was not detected in both sample and duplicate or for the TPH detected in one sample and not in the duplicate sample. Therefore, RPD values were not calculated for the soil or groundwater samples.

Total Dissolved Solids (TDS) Analysis -- No replicate field samples were collected during the Indiana ANGB SI and analyzed for TDS.

F.3 LABORATORY QUALITY CONTROL ASSESSMENT

All soil and groundwater samples collected at the Indiana ANGB were analyzed using the March 1990 EPA CLP SOW for GC/MS analyses described in the Statement Of Work For Organic Analysis, Multi-Media, Multi-Concentration, EPA CLP, March 1990 (VOCs and SVOCs) and Test Methods For Evaluating Solid Waste, Physical/Chemical Methods, SW-846, Third Edition, September 1986, with 1989 revisions (pesticides/PCBs, chlorinated herbicides, and priority pollutant metals). HAZWRAP Level C documentation was required and submitted by the NET Laboratory for all analyses. All data were validated and qualified using the guidelines and specifications described in Laboratory Data Validation Functional Guidelines For Evaluating Organics Analyses, EPA CLP, February 1988 (VOCs, SVOCs, and pesticides/PCBs and ehlorinated herbicides) and Laboratory Data Validation Functional Guidelines For Evaluating Inorganics Analyses, EPA CLP, February 1988 (priority pollutant metals).

All descriptive data validation qualifiers applied to the reported values by the laboratory are reported in parentheses. Each data point has been assessed to determine whether the value is considered usable (i.e., no qualifier), usable but estimated (i.e., "J"), or not usable (i.e., "R"). All usability qualifiers are followed by the applicable laboratory or field QC qualifier, presented in parentheses and defined in the table footnotes. Usability qualifiers were not applied to values qualified by the laboratory, but were not considered to have adversely impacted by the applicable laboratory QC result (e.g., duplicate and matrix spike analysis), as per EPA CLP validation guidelines. All laboratory and data validation qualifiers used were applied to all data (i.e., detected and nondetected values), as necessary, on the comprehensive data presentation tables located in Appendix G and to the appropriate detected values summarized in the data tables presented within the SI report text. All qualifiers are defined at the bottom of each table presenting analytical data.

For the purposes of the SI, VOC TICs and SVOC TICs that could not be directly attributed to laboratory method blank or field QC blank interference were used to indicate contamination resulting from past JP-4 use at the applicable site. All TIC concentrations were added together and reported in the Section F3 data validation worksheets summary data tables

and the Appendix E presentation data tables as a single estimated value. The number of individual compounds detected was presented in parentheses adjacent to the cumulative concentration.

F.3.1 Organic Analyses

Soil and groundwater samples and field QC blanks (i.e., field blanks, equipment blanks, and trip blanks [VOC analysis only]) collected during the Indiana ANGB SI were submitted to the NET Laboratory (former SAIC Laboratory) for VOC and SVOC analyses using EPA SW 8240 and 8270, respectively, and the March 1990 CLP SOW. Also, NET Laboratory was required to perform aromatic volatile (BTEX) analyses using EPA SW 8020 and pesticide/PCB analyses using EPA SW 8080. A data quality assessment is presented in the following subsections.

F.3.1.1 Volatile Organic Compound Analysis (EPA Method 8240 and March 1990 SOW)

Fourteen soil samples, 7 groundwater samples, and 19 field QC blanks (i.e., trip blanks, field blanks, and equipment blanks) were collected and submitted for VOCs analyses using EPA Method 8240. Forty soil samples, 2 sediment samples, 6 groundwater samples and 15 field QC (i.e., trip blanks, field blanks, and equipment blanks) were collected and analyzed for VOCs by the NET Laboratory using the March 1990 CLP SOW. Data quality was evaluated using the guidelines and control limits specified for holding times, tuning and mass calibration results, initial and continuing calibration verification, method blank spike, method blank, surrogate recovery, internal standard area, and MS/MSD results. A presentation of the significant qualified sample results follows the laboratory QC results discussion. The VOC data validation worksheets are presented in Tables F-3.

Holding Times -- Holding times were defined as the maximum amount of time allowed to elapse between the date and time of sample collection and the date and time of sample analysis. The NET Laboratory was required by the SOW prepared for the SI to meet holding times of 7 days for unpreserved water samples, 14 days for preserved (i.e., sufficient hydrochloric acid to lower the pH to 2) water samples, and 14 days for soil samples collected for VOC analysis. Preservation information was either listed on the chain-of-custody forms completed during the SI or the field logbooks were consulted to verify that each water sample

			£	ble F-3a. Data	Validation Tab	Table F-3a. Data Validation Tables: Volatile Organic Compounds	ic Compounds			Γ
SAIC Sample Number	Laboratory Identification Number	Collection Date	Asalysis Date	Volatile Surrogate Recovery	Voletic MS/MSD Analyses	Volstije Blenk Analyses	Laboratory Check Sample Evaluation	Volette Tusing Mass Calibration	Initial Calibration Check	
WATERS VBSEPS FB-01 FB-02	VBSBP5 90021706 90021709	NA 8/25/50 8/25/50	9/05/90 9/05/90 9/05/90	AL OK	ALL WITHIN LIMITS	NONE DETECTED TIC TOTAL=0	_	ALL BFB CRITERIA WITHIN CONTROL LIMITS	90590 (CASE # VW030) DAE Y TUNE IN CONTROL: ALL SPCC RRF > 0.300 TBMB > 0.250 CCC %RSD < 30%	
78-0 178-0 178-0 178-0 MS	90021712 90021713 90021714 9002174 9002174 MSD	8,27,790 8,27,790 8,28,590 8,28,590 8,28,590	9/05/90 9/05/90 9/05/90 9/05/90 9/05/90							
WATERS VESEP6 TB-04	VBSEP6 90021807	NA 8/29/90	06/90/6 06/90/6	All OK		NONE DETECTED TIC TOTAL=0		ALL BPB CRITERIA WITHIN CONTROL LIMITS		
WATERS VESEP12 EW-04 TB-05	VBSBP12 9002314 9002315	N 8.30/90 8/30/90	9/12/90 9/12/90 9/12/90	All OK		NONE DETECTED TIC TOTAL=0		ALL BFB CRITERIA WITHEN CONTROL LIMITS		
WATERS VESEPT EW-06 FB-03 TB-07	VRSBP17 90023605 90023617B	7.4 9.06,90 9.11,90 9.06,90	9/17/90 9/17/90 9/17/90	AL OK		NONE DETECTED TIC TOTAL=0	_	ALL BPB CRITERIA WITHIN CONTROL LIMITS		

		Table F-3a. Data Validation Tables: Volatile Organic Compounds (Continued)	olatile Organic Compounds (Contin	led)		
SAIC Sample Number	Laboratory Identification Number	Continuing Calibration Check	Volatile Internal Standard	Field Blank Analysis	Trip Blank Analysis	Equipment Blank Analysis
WALEAN VBSEP5 FB-01 FB-02	VBSEP5 90021708 90021709	905/90 (CASE # VW030) DAILY TUNE IN CONTROL: ALL SPCC RRF50 > 0.300 TBME > 0.250 CCC %D < 25%	ALL ARBAS AND RETENTION TIMES WERE WITHIN CONTROL LIMITS	\$ \$ \$	\$ \$\$	\$ \$\$
TB-01 TB-02 TB-03 TB-03 MS	90021712 90021713 90021714 MS 90021714 MSD			\$ \$\$\$\$	\$\$\$\$\$	\$\$\$\$\$
WATERS VRSEP6 TB-04	VBSEP6 90021807	906/90 (CASB # VW030) DAILY TUNE IN CONTROL: ALL SPCC RRF50 > 0.300 TBME > 0.290 CCC %D < 25%	ALL ARBAS AND RETENTION TIMES WERE WITHIN CONTROL LIMITS	Z Z	χχ	ΧX
WATERS VBSEP12 EW-04 TB-05	VBSEP12 90022314 90022315	9/12/90 (CASE # VW030) DAILY TUNE IN CONTROL. ALL SPCC RRF50 > 0.300 TBME > 0.230 CCC %D < 25%	ALL AREAS AND RETENTION TIMES WERE WITHIN CONTROL LIMITS	\$ \$ \$	ŽŽŽ	* * * *
WATERS VBSEP17 BW-06 FB-03 TB-07	VBSEP17 90023605 90023606 9002361B	9/17/90 (CASE # VW030) DAILY TUNE IN CONTROL: ALL SPCC RRF90 > 0.300 TBMB > 0.250 CCC %D < 25%	ALL AREAS AND RETENTION TIMES WERE WITHIN CONTROL LIMITS	***	***	\$ \$\$\$

	Aboutory			
SAIC Sample	Identification	Sounds	Tentalively	
Number WATER	Number	Results	Compounds	Data Onalifier
WAIEKS VBSEPS FB-01 FB-02	VBSEP5 90021706 90021709	Note Detected Note Detected CDS=6DCA11=STCLME=7DCPA12=S DCPEs13=3J/TCB=10/BZ=6/PCA=S/BZAE=6/	999	Nose Applied Nose Applied
TB-01 TB-02 TB-03 TB-03 MS TB-03 MSD	90021712 90021713 90021714 90021714 MS	CLBZ=5/STY=5/KYLENES=51/ TCPA123=51 µg/L CDS=4/BZ=4/KYLENES=27 µg/L CDS=4/RZ=3/KYLENES=20 µg/L BZ=3/KYLENES=15 µg/L Not Applicable Not Applicable	0 (0) 0 (0) 0 (0) Data Not Provided Data Not Provided	Nose Applied Nose Applied Nose Applied Nose Applied Not Applied Not Applies be
WATERS VESEP6 TB-04	VBSEP6 90021807	None Detected MTLNCL=150 µg/L	(e) (e) (e)	None Applied
WATERS VBSEP12 EW-DA TB-05	VBSEP12 90022314 90022315	None Detected MTLNCL.=31FCLME=21 µg/L MTLNCL.=31 µg/L.	© © ©	Nose Applied Nose Applied
WATERS Vesser? Vesser? EW-06 FB-01 TB-07	VBSEP17 90023405 90023406 900234FB	None Detected TCLME=14 µpL MTLNCL=4/IACE=32/TCLME=26 µp/L MTLNCL=43 µp/L	5565	None Applied None Applied None Applied

			Tab	le F-3b. Data Valie	dation Table	Table F-3b. Data Validation Tables: Volatile Organic Compounds	Compounds			_
SAIC Sample Number	Laboratory Ideatification I	Collection A Date D	Asalysis Date	Volatile Surrogate Recovery	Volatile MS/MSD Analyses	Volstije Blank Anslyses	Laboratory Cleck Sampio Evaluation	Voletle Tvaing/Mess Culibration	initial Calibration Clock	
WATTERS VESSEPTO VESSEPTO TE-02 LCS_VW030	VBSB719 90023901 90023902 LCS_VW080	NA 9/12/90 9/12/90 NA	9/19/90 9/19/90 9/19/90	All OK		NONE DETECTED (TIC TOTAL = 0	PARAMETERS WITHIN CONTROL LIMITS	ALL BUB CRITERIA WITHIN CONTROL LIMITS	91990 (CASE # VW030) DALLYTUNE IN CONTROL: ALLSPOC RRF > 0.300 TBME > 0.20 CCC MRSD < 30%	
WATERS VRSB72 P-2 °TB-09	V BSB722 90024801 90024802	NA 9/13/90 9/13/90	972790 972790 972790	All OK		NONB DETECTED TIC TOTAL=0		ALL BFB CRITERIA WITHIN CONTROL LIMITS		
WATERS VBSEPSA EW-07 MW2-01 TB-10 TB-11 MW1-02 MW1-01 EW-08 TB-11 MS TB-11 MS TB-11 MSD	VBSEP2A 90024902 90024903 90025103 90025103 90025104 90025104 90029104 90029104 90029104 90029104	NA 91490 91490 91490 91490 91490 91590 91590 91490 NA	9724,90 9724,90 9724,90 9724,90 9724,90 9724,90 9724,90 9724,90	₩	ALL WITHIN LIMITS	NONE DETECTED (*) ALL PARAI WITH LIMITS	AETERS N CONTROL S	ALL BFB CRITERIA WITHIN CONTROL LIMITS	919/90 (CASE # VW044) DALLY TUNE IN CONTROL: ALL SPCC RRP > 0.300 CCC FRSD < 30%	
WATERS VESEP25 EW-09 P-8 HT-01 TB-12	VBSBP25 90025104 90025105 90025105 90025107	NA 9/16/90 9/16/90 9/16/90	9/25/90 9/25/90 9/25/90 9/25/90 9/25/90	All OK		NONB DETECTED		ALL BPB CRITERIA WITHIN CONTROL LIMITS		

		Table F-3b. Data Validation Tables:	-3b. Data Validation Tables: Volatile Organic Compounds (Continued)	ued)		
-	Laboratory Identification Number	Continuing Calibration Check	Volatile Internal Standard	Field Blank Analysis	Trip Blank Analysis	Equipment Blank Analysis
	VBSEP19 90023901 90023902 LCS_VW030	91990 (CASE # VW030) DAILY TUNE IN CONTROL: ALL SPCC RRF50 > 0.300 TBME > 0.250 CCC %D < 25%	ALL AREAS AND RETENTION TIMES WERE WITHIN CONTROL LIMITS	HB-03 NA NA	AN AN AN AN	EW-06 NA NA
	VBSEP22 90024801 90024802	972/90 (CASE # VW030) DAILY TUNE IN CONTROL: ALL SPCC RRF30 > 0.300 TBME > 0.250 CCC %D < 25%	ALL AREAS AND RETENTION TIMES WERE WITHIN CONTROL LIMITS	NA FB-03 NA	AN AN AN	NA EW-06 NA
	VBSEP24 90024901 90024902 90024903 90024904 90025101 90025103 90024904 MSD VW044_LCS	92490 (CASE # VW044) DAILY TUNE IN CONTROL. ALL SPCC RRF30 > 0.300 TBME > 0.290 CCC %D < 25%	ALL AREAS AND RETENTION TIMES WERE WITHIN CONTROL LIMITS	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	NA NA NA NA NA NA NA NA NA NA NA NA NA N
	VBSEP25 90025104 90025105 90025105	925/90 (CASE # VW044) DAILY TUNE IN CONTROL: ALL SPCC RRF30 > 0.300 TBMB > 0.250 CCC %D < 25%	ALL AREAS AND RETENTION TIMES WERE WITHIN CONTROL LIMITS	NA NA FB-03 NA NA	NA NA TB-12 NA	NA NA EW-09 NA

c Compounds (Continued)	Data Qualifiers	MTLNCL=SU(TB) None Applied None Applied	MTLACL=SU(TB) None Applied	None Applied MTLMCL = SU(TB) None Applied None Applied None Applied None Applied None Applied None Applied None Applied None Applied None Applied None Applied None Applied None Applied None Applied None Applied	Nose Applied Nose Applied Nose Applied Nose Applied
c Organi		<u>000</u>	999		
on Tables: Volatil	Tentatively Mentified Compounds	¥		Not Performed Not Performed Not Performed Not Performed Not Performed Not Performed Not Performed Not Analyped Not Analyped	Not Performed Not Performed Not Performed Not Performed Not Performed
Table F-3b. Data Validation Tables: Volatile Organic Compounds (Continued)	Significant Sample Results	None Detected MTLNCL=21 µg/L MTLNCL=41 µg/L Not Applies bie	None Detected MTLNCL=4 µgL MTLNCL=24 µgL	None Detected MTLNCL = 10/ACE = 21/I CLME = 25 µg/L MTLNCL = 5 µg/L MTLNCL = 29 µg/L None Detected None Detected None Detected None Applies bla Not Applies bla Not Applies bla Not Applies bla	None Detected MTLNCL=6/ACE=14/TCLME=26 µg/L None Detected None Detected MTLNCL=4/ µg/L
	Laboratory Eleatification Number	VBSEP19 90023901 90023902 LCS_VW030	VRSHP22 90024801 90024802	VBSEP24 90024901 90024903 90024903 90025101 90025103 90025103 90025103 9002504 WBD VW044_LCS	VBSBP25 90025104 90025105 90025106 90025107
	SAIC Sample Number	WATERS VEREPIO MW4-02 TB-06 LCS_VW090	WATERS VBSBP22 P-2 TB-09	WATERS VESSP24 EW-07 TP-10 TP-10 MW1-02 MW1-02 MW1-03 TP-11 MS TP-11 MS TP-11 MS TP-11 MS	VBSBP25 EW-09 P-6 HT-01 TB-12

			1	Table F-3c. Data Validation Tables: Volatile Organic Compounds	Nion Labr	s: Volatile Organic	Compounds			
SAIC Sample Number	Laboratory Identification Number	Collection Date	Analysis Date	Volettie Surrogate Recovery	Volatie MS/MSD Analyses	Volatile Blank Analyses	Laboratory Check Sample Evaluation	Volette Traing/Mass Calibration	le Biol Caldentina Check	
SOILS VBSEP6 SB-B-02	VBSBP6 90021707	NA 8/28/90	06/90/6	ROGATES EPT BPB		ETECTED FAL=0		ALL BPB CRITERIA	8/31/90 (CASE # VS033) DALLY TUNE IN CONTROL:	
SB2-01-01 SB2-01-02	90021804 90021805	8/29/90 8/29/90	06/90/6 06/90/6	AND SB2-01-19 (72%); AND TOL				CONTROL	ALL SPCC RRF > 0.340 TBME > 0.230 CCC %RSD < 30%	
SB2-01-19	90021806	9/29/90	06/90/6	IN SB2-01-19 (131%)						
<u>.</u>										
VBSEP7 SB2-02-01 SB2-03-01 SB2-04-01	VBSEP7 9002301 9002302 9002303	8/30/90 8/30/90 8/30/90	9,07/90 9,07/90 9,07/90	Alok	ALL WITHIN LIMITS	NONE DETECTED CTCL BELOW TICTOTAL=0 CONTROL LI ALL OTHER PARAMETER	CTCL BELOW CONTROL LIMIT: ALL OTHER PARAMETERS	ALL BFB CRITERIA WITHIN CONTROL		
SB2-04-01 MS SB2-04-01 MSD LCS_VSO33	90022303 MS 90022303 MSD LCS_VSO33	8/30/90 8/30/90 NA	9/07/90 9/07/90 9/07/90				WITHIN LIMITS	LMITS		
SOLS VBSEP10 SB-B-62Re	VBSEP10 90021707R	NA 8/28/90	9/10/90	ALL SURROGATES OK EXCEPT TOL IN SRRMR		NONE DETECTED TIC TOTAL = 0		ALL BFB CRITERIA		
SB201-19Re	90021806R	8/29/90	06/01/6	(122%) AND SB2 - 01 - 19R (136%); AND BFB IN SB2 - 01 - 19R (72%)				CONTROL		
SOIL.8 VBSEP14 SB1-64-01 SB1-04-02	V BSE P14 90023601 90023602	06/90/6 9/08/30 9/08/30	9/14/90 9/14/90 9/14/90	TROGATES TEPT TOL	ALL WITHIN WITHIN	NONE DETECTED TIC TOTAL=0		ALL BFB CRITTERIA WITHIN		
SB1-04-08 SB1-04-04 SB1-04-04 MS SB1-04-04 MSD	90023608 90023604 90023604 90023604 90023608	06/80/6 8/06/90 9/06/90 9/06/90	9/14/90 9/14/90 9/14/90	(126 %)				CONTROL		
SOILS VBSEP20 SB1-04-02Re	VBSEP20 90023602R	NA 9/08/90	06/0Z/6 06/0Z/6	AB OK		NONE DETECTED TIC TOTAL = 0		ALL BFB CRITERIA	9/19/90 (CASE # VS033) DAILY TUNE IN CONTROL:	
					i			CONTROL	ALL STOL MAY > 0.300 TBME > 0.230 COC 9.RSD < 30%	

SAIC Sample Number	Laboratory Identification Number	Continuing Calibration Check	Volatile Internal Standard	Field Blank Analysis	Trip Blank Analysis	Equipment Blank Analysis
SOILS VBSEP6 SB-B-02	VBSEP6 90021707	9/06/90 (CASE # VS033) DAILY TUNE IN CONTROL:	SB-B-Q BELOW AREA CONTROL LIMITFOR CBZ; CD-CH-CH-CH-CBZ;	NA FB-02	NA TB-02	NA EW-04
SB2-01-01 SB2-01-02	90021804 90021805	ALL SP.C. RRF30 > 0.500 TBME > 0.250 CCC %D < 25%	CONTROL LIMITS FOR BCM, DFB, AND CBZ;	FB-02 FB-02	TB-04 TB-04	EW-04
SB2-01-19	90071806		ALL OTHER AREAS AND RETENTION TIMES WERE WITHIN CONTROL LIMITS	FB-02	20 - 8T	EW-04
SOILS VBSEP7 SB2-02-01 SB2-03-01 SB2-04-01	VBSEP7 90022301 90022302 90022303		ALL AREAS AND RETENTION TIMES WERE WITHIN CONTROL LIMITS	NA FB-02 FB-02 FB-02	AN 20-8T 20-8T 20-8T	EW-QE
SB2-04-01 MS SB2-04-01 MSD LCS_VSO33	90022303 MS D 90022303 MSD LCS_VSO33	%CC %D < 53%		FB-02 FB-02 NA	TB-05 TB-05 NA	EW-OF EW-OF NA
SOILS VBSEP10 SB-B-02Re	VBSEP10 90021707R	9/10/90 (CASE # VS033) DAILY TUNE IN CONTROL: ALL SPCC RRF30 > 0.300	SB··B-02R AND SB2-01-19R BELOW AREA CONTROL LIMITS FOR DFB AND	R NA FB-02	NA TB-02	NA EW-04
SB2-01-19Re	90021806R	TBME > 0.230 CCC %D < 2.5%	CKZ; ALL OTHER AREAS AND RETENTION TIMES WERE WITHIN CONTROL LIMITS	FB-02	TB-04	EW-04
SOILS VBSEP14 SB1-04-01 SB1-04-02	VBSEP14 90023601 90023602	9/14/90 (CASE # VS033) DAILY TUNE IN CONTROL: ALL SPCC RRF50 > 0.300	SBI-04-02 BELOW AREA CONTROL LIMIT FOR CBZ; ALL OTHER AREAS AND	NA FB-03 FB-03	NA TB-07 TB-07	NA EW-06 EW-06
SB1-04-03 SB1-04-04 SB1-04-04 MS SB1-04-04 MSD	90023603 90023604 90023604 MS D 90023604 MSD	1BMB > 0.250 CCC %D < 25%	WITHIN CONTROL LIMITS WITHIN CONTROL LIMITS	FB-03 FB-03 FB-03	73-87 70-87 70-87 70-87	EW -06 EW -06 EW -06 EW -06
SOILS VBSEP20 SB1-04-02Re	VBSEP20 90023602R	92090 (CASE # VS033) DAILY TUNE IN CONTROL: ALL SPCC RRF30 > 0.300 TBME > 0.250	ALL AREAS AND RETENTION TIMES WERE WITHIN CONTP. OL LIMITS	NA FB-03	NA TB-07	NA EW-06

SAIC Sample Number	Laboratory Identification Number	Significant Sample Rosalts	Teststively Identified Compounds		Data Ovalifiers
SOLS VESEP6 SB-B-02	VBSEP6 90021707	Nose Detected BZME= 180 pg/kg		99	HXO2.4ME2PHUT,PCB.CLBZ.BBZ,STY,XY1.ENES/TCA112=UJ(SSR,IS)
SB2-01-01 SB2-01-02	50812006 10812106	BZME-36 44/Kg BZ-64/MBZPENT-34/BZME-45/BBZ-16/		<u>9</u> 9	BZME=180(SSR,IS)All other compounds=U(SSR) BZME=38U(FB) BZ=6U(FB)BZME=45U(FB)
SB2-01-19	90021806	XYLENES=190 pg/Kg BZME=100 pg/Kg		0 0	BZME = 1001(SSR,IS)/All other compounds = U1(SSR,IS)
SOU.S VBSBP7 SB2-03-01 SB2-06-01 SB2-04-01	V BSEP7 90022301 90022302 90022303	None Detected MTLNCL = 14 µg/Kg MTLNCL = 16/ACE = 70/BZME = 15 µg/Kg MTLNCL = 26/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HXO2 = 1100/BZME = 91/ACE = 820/HZME = 91/ACE = 820/HZME = 91/ACE = 820/HZME = 91/ACE = 820/HZME = 91/ACE = 820/HZME = 91/ACE = 820/HZME = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE = 91/ACE		<u> </u>	MTLNCL=14U(TB) MTLNCL=16U(TB)/BZMB=15U(FB) Nose Applied
SB2-04-01 MS SB2-04-01 MSD LCS_VSO33	90022303 MS 90022303 MSD LCS_VSO33	A TATALSHI MO ABAR Not Applicable Not Applicable Not Applicable	Not Analyzed Not Analyzed NA		Not Applicable Not Applicable None Applied
SOLS VBSEP10 SB-B-02Re	VRSBP10 90021707R	None Detected MTLNCL=SI/BZME=120 µg/Kg		<u> </u>	MTLNCL=6UJ(EB,SSR)BZME=120J(SSR,IS)/All other compounds emept CLME, BRME, vC cript A Arts Crist Press in Crist Child.
SB2-01 - 19Re	90021805R	MTLNCL=21/BZME=240 µg/Kg		(<u>0</u>)	All compounds except MTLNCL and BZME = U(SSR) MTLNCL = 21U(TR,SSR)All compounds except MTLNCL and BZME = U(SSR) BZME = 24U(SSR,IS)All compounds except CLME, BRME, VC,CLEA,ACE,CDS,DCE II, DCAI1,DCB12,TCI,MER,DCAI2,MER = U(IS)
SOIL.S VBSEP14 SB1-04-01 SB1-04-02	VBSEP14 90023601 90023602	None Detected BZME = 80 pg/Kg BZME = 700E pg/Kg		6 55	Nose Applied All compounds encept RZME=U/(SSR)/BZME=2706(SSR,IS)/HXO2,4MB2PENT,PCR,PCA,
SB1-04-03 SB1-04-04 SB1-04-04 MS SB1-04-04 MSD	90023608 90023608 90023608 MS 90023608 MSD	BZ=10BZMB=67 µg/Kg BZMB=350/CBZ=95 µg/Kg Not Applicable Not Applicable	Not Analyzed Not Analyzed	E E	CLEXCENS.TXTLENES/TCATIZ= U(IS) None Applied Not Appliedbe
SOILS VBSEP20 SB1-04-02Re	VBSEP20 90023602R	Nase Detected MTLNCL = 5/BZME=240 µg/Kg		<u> </u>	MTLNCL-6U(TB)

Footnotes to Tables F-3a through F-3c.

- On the Chain of Custody form, this sample was incorrectly identified as

Note: Tentatively Iden: 'flied Compound (TIC) analyses were not requested for VOC personnel discovered their error and did not perform TIC analyses for the remaining VOC samples. The results for these samples are denoted in the samples. The laboratory, however, performed this analysis for some of the samples. Before all of the VOCs were analyzed, though, the laboratory TIC column as "Not Performed."

NA - Not Applicable Control Limits for Water VOC Surrogate Recoveries d4-1,2-Dichloroethane (DCE): 76-114 Control Limits for Soil VOC Surrogate Recoveries Bromofluorobenzene (BFB): 86-115 d8-Toluene (TOL): 88-110 d8-Toluene (TOL): 81-117

Control Limits for Water VOC MS/MSD Percent Recoveries 1,1-Dichloroethene (DCE11): 61-145, %RPD= 14 Trichloroethene (TCE): 71-120, %RPD= 14 Benzene (BZ): 76-127, %RPD= 11 d4-1,2-Dichloroethane (DCE): 70-121 Bromofluorobenzene (BFB): 74-121

Toluene (BZME): 76-125, %RPD= 13 Chlorobenzene (CLBZ): 75-130, %RPD= 13

Control Limits for Soil VOC MS/MSD Percent Recoveries 1,1 - Dichloroethene (DCE11): 59-172, %RPD= 22

Trichloroethene (TCE): 62-137, %RPD= 24 Benzone (BZ): 66-142, %RPD= 21 Toluene (BZME): 59-139, %RPD= 21

Chlorobenzene (CLBZ): 60-133, %RPD=21 Control Limits for Soil VOC LCS Evaluations

Methylene chloride (MTLNCL): 8.1-47 Chloroform (TCLME): 7-13 Carbon tetrachloride (CTCL): 19-32 1.1.2-Trichloroethane (TCA112): 30-78 Benzene (BZ): 40-140

Tuning and mass calibration performed with Bromofluorobenzene (BFB). System Performance Check Compounds (SPCCs): Bromoform (TBME): 11-39 Chlorobenzene (CLBZ): 21-77

Chloromethane (CLME), 1,1 - Dichloroethane (DCA11), Bromoform (TBME), 1,1,22-Tetrachloroethane (PCA), and Chlorobenzene (CLBZ)

Calibration Check Compounds (CCCs):

1.2 Dichloropropane (DCPA12), Toluene (BZME), and Ethylbenzene (EBZ). Volatile internal Standard Ares Summary Compounds: Vinyl Chloride (VC), 1,1 - Dichloroethene (DCE11), Chloroform (TCLME),

Bromochloromethane (BCM)

1,4 - Diffuorobeanene (DFB)

Chlorobenzene (CBZ)

E - analyte present in concentrations above the calibration range of the Significant sample result data qualifiers:

J - analyte present between lower detection limit of instrument and lower quantitation limit.

B - analyte present in the method blank as well in the sample.

	Volatie Internal Standards	ECALDPRA ALLANEAS. THES WEN LIMITS AND RESPECTIVE	ACM, DFB, AND CRZ ALL AREA, AND RETENTION TIMES WERE WITHIN CONTROL LINITS AND WINDOWS, RESPECTIVELY.	BCM, DPB, AND CBZ ALL AREA AND BETENTION TIMES WERE WITHIN CONTROL LIMITS AND WINDOWS, RESPECTIVELY.	ECM, DPR, AND CEZ ALL AREAS AND RETENTION TIMES WERE WITHIN CONTROL LIMITS AND WINDOWS, RESPECTIVELY.	ECM, DPB, AND CEZ ALL AREAS AND RETENTION TIMES WERE WITHIN CONTROL LIMITS AND WINDOWS, REMPECTIVELY.	MCM, DPR, AND CEZ ALL AREAS AND RETENTION THESS WERE WITHIN CONTROL LIMITS AND WITHOUTH AREAS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ] = 1-4/ RCH AS TO R [EQ	ECM, DPR. AND CEZ. ALL AREAG AND RETENTION THES WERE WITHIN CONTROL. LIMITS AND WINDOWS. RESPECTIVELY, EXCEPTINE AREA FOR [\$\overline{BQZ} - 1-1] FOR CEZ.
	Volatifie Tuning/Mass Calibration	INSTEPINC JUDES ALL BERTUNING AND MASS CALIBRATION CRITERIA MET.	INST#FINNZ 1VIS/91 AAL BE TUNING AND MASS CALIBRATION CRITERIA MET.	INST# FINNZ 11/1991 AAL BET INNING AND MASS CALIBRATION CRITERIA MET.	INST# FINNZ 112091 ALL BESTUNING AND MASS CALIBRATION CRITERIA MET.	INST#FINNE 11/21/91 ALL BEBITMING AND MASS CALIBRATION CRITERIA MET.	INSTOPPINE 11/1/91 ALL BESTURING AND MASS CALIBRATION CRITERIA MET.	INTO PINKE 11/1391 ALL BESTURING AND MASS CALIBRATON CRITERIA MET.
Worksheets	Volatie Blank Analyses	NO INTERPERENCE DETECTED, TIC TOTAL=0	NO INTERPERENCE DETECTED, TIC TOTAL=0	INTERPRENCE DETECTED, MTLNCL.=9 µgl., TIC TOTAL.=0	INTERFERENCE DETECTED, MTLNCL=21 µg/L, TICTOTAL=0	INTERFERENCE DETECTED. MTLNCL=11.pgC, TRCTOTAL=0	NO INTERPRIENCE DETECTED, TIC TOTAL=0	NO INTERPREDICE DETECTED, TIC TOTAL=0
Table F-3d. Volatile Organic Compound Data Validation Worksheets Indiana Air National Guard Base Fort Wayne, Indiana	Volatie MS/MSD Analyses	LIMITS LIMITS LIMITS	(SEE ANALYSES POR (<u>NWI-CG)</u>)	(SEE ANALYSES FOR <u> MW1-02</u>)	(SBE ANAL YSES FOR [<u>KWI – QI</u>)	[] ALL RECOVERY AND DIFFERENCE VALUES WITHIN LINIT'S EXCEPT RECOVERIES. TCE-125% MG(12%). AND CLEC-131% MG(12%).	EXI-I-4] ALL RECOVERY AND DIFFERENCE VALUES WITHIN LIMITS EXCEPT RECOVERIES. EXME = 14% MSD(13%). AND CLEZ = 137% MSD(13%).	(SPE ANALYNES POR (NG)-1-d)
Table F-3d. Volatile C	Volatie Surtogate Recovery	ALL SURROGATE RECOVERIES WITHIN CONTROL LIMITS FOR WATER SAMPLES	ALL SURROGATE RECOVERES WITHIN CONTROL LIMITS FOR WATER SAMPLES	ALL SURROGATE RECOVERIES WITHIN CONTROL LIMITS FOR WATER SAMPLES	ALL SURROGATE RECOVERES WITHIN CONTROL LIMITS FOR WATER SAMPLES	ALL SURROGATE RECOVERIES WITHIN CONTROL LIMITS FOR WATER SAMPLES	ALL SURROGATE RECOVERIES WITHIN CONTROL LIMITS FOR SOIL, SAMPLES	ALL SURROGATE RECOVERES WITHIN CONTROL LIMITS POR SOFL SAMPLES
	V Date S Analyzed R		1V15/91 A 1V15/91 1V15/91 1V15/91	11/2091 A 11/2091 11/2091	1,72091 A 1,72091 (1,7209) 1,72091 (1,7209) 1,72091	11/21/91 A 11/21/91 11/21/91	1711/91 A 1711/91 C 1711/91 1711/91	M. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A. 19791 A.
:	Date	NA 11/05/91 11/05/91 11/05/91 11/05/91 11/05/91 11/05/91 11/05/91 11/05/91	NA 11/0491 11/0291 11/03/91	NA 11/06/91 11/06/91	NA 11/06/91 11/06/91 11/06/91 11/06/91	NA 11/07/91 11/07/91	NA 1140041 124091 1140901	11/03/91 11/03/91 11/03/91 11/03/91 11/03/91 11/03/91 11/03/91 11/03/91 11/03/91 11/03/91 11/03/91 11/03/91 11/03/91 11/03/91 11/03/91 11/03/91
	Laboratory Identification Number	VBNOV8 14366 14366 14366 13199 13190 13190 13190 14307 NS	VBMOV15 13299 13300 13301	VBMOV19 14354 14353	VBNOV20 1486 1436 1436 1436 1432 1432	VBNOV21 14396 14396 MS 14396 MSD	VBNOV11 15281 15281 NS 15281 NSD	VBNOV12 1578 1578 1578 1578 1578 1578 1518 1519 1510 1517 1517
	SAIC Sample Number	WATERS WATERS WATERS BBI-1 EBI-1 EBI-1 EBI-1 EBI-1 EBI-1 EBI-1 EBI-1-91 TBI-1-91 TBI-1-91 TBI-1-0 TBI-1-0 TBI-1-0 TBI-1-0 TBI-1-9 TBI-1-0 TBI-1-0 TBI-1-0	WATERS VRLK2 FBI - 1 GWI - 1 TBII - 00 - 91	WATERS VHLKS MW1-01 MW2-01	WATERS VRLK4 BR2-1 FR2-1 MW2-01R TB11-6-91 TB11-7-91	WATERS VELIS P-8 P-8MS P-8MS	SOILS VBLK1 B01-1-4 B01-1-4 NS B01-1-4 NS	SOILS VELKZ BOI - 1-1 BOI - 1-1 BOI - 1-3 BOI - 1-4 BOZ - 1-2 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI - 1-3 SBI

Table F-34. Votatile Organic Compound Data Validation Workshoose Indiana Ar National Court Base Fort Wayas, Indiana Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration Calibration ALI REPS > 0.010 4.10.50 (Perr 9 FINNY) DALY TUNE IN CONTROL: ALI REPS > 0.010 4.10.50 (Perr 9 FINNY) DALY TUNE IN CONTROL: ALI REPS > 0.010 4.10.50 (Perr 9 FINNY) DALY TUNE IN CONTROL: ALI REPS > 0.010 4.10.50 (Perr 9 FINNY) DALY TUNE IN CONTROL: ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0.010 ALI REPS > 0

tion Worksheets Indiana	Date Valdation	Oualifiers	New Applied New Applied	None Agreed None Agreed None Agreed None Agreed	None Applied None Applied	None Applied None Applied	noon vypea Noo Agricolle Noo Agricolle	None Applied None Applied None Applied	Non Applied Non Applied	MTLNC1.=SU(AB) MTLNC2.=SU(AB) MTLNC2.=SU(AB) MTLNC2.=SU(AB) MTLNC2.=SU(AB)	MTLWZ, = 13U(AB) No Applicable No Applicable	MTLNCL = 231(B)/ACE = 298(B)/All other compounds = U1(B) Not Applicable Not Applicable	New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Applied New Ap
Table P-3d. Volatile Organic Compound Data Validation Workshoets Indiana Air National Guard Base Fort Wayne, Indiana	Tontatively Identified	Compounds	555	S SS	S S		Data Not Provided Data Not Provided	5555	555	55555	0 (0) Dan Not Frontadd Dan Not Frontadd	0 (0) Data Not Froddad Data Not Froddad	555555 555555
	Significant	Results	None Described None Described NONE DESCRIPED NITENAL = MACE = 11 pg/	Notes Detected Notes Detected TG Mg = 12 and	None Detected None Detected	Note Describe Note Described	Not Applicable Not Applicable	None Descried MTL.NL.=14 pgf None Descried None Descried	MILNCL = 9 und Nome Described Nome Described	MTLNCL LE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE SE MOI MILLOC LE	MTLNCL=11.pg/ MTLNCL=15B.pg/ Not Applicable Not Applicable	None Detected MTLNCI #29.40/4g Not Applies ble Not Applies ble	None Described EZ-ME = 11 paylog EZ-ME = 11 paylog EZ-ME = 11 paylog Mone Described Mone Described Mone Described None Described None Described None Described None Described None Described None Described None Described None Described None Described None Described None Described
	Laboratory	Number	VBNOVB 1426 1426	200	13115	9151 90151 90151	14367 148 14367 1480	VENOVIS 13299 13300 13301	VENOVI9 1484 1485	VBNOV20 14861 14860 14866 14866 14862 14882	VBNOV21 1459 1459 NS 1459 NS	VBNOV11 1508 1538 MS 1538 MSD	VENDOV12 19778 19778 19778 19778 19778 19778 19778 19778 19778 19778 19778
	SAIC Sample	Number	WATERS VELCI EBI-1 EBIA-1	EB-	MAN1-02 TB10-90-91	TB11-1-91	MW1-02 MSD MW1-02 MSD	WATERS VELKS YBL-1 GWI-1 TBL-08-91	WATERS VILKS MW1-0t MW2-0t	WATERS VIE.K4 FIE2-1 FIE2-1 MW2-01R TE11-6-91 TE11-7-91	WATTERS VELIS P-8 P-8 MS P-6 MSD	SOIL.S VBLK1 BG1-1-4 BG1-1-4 MS BG1-1-4 MSD	\$001.5 \$001.5 \$001.5 \$001.1-1 \$001.1-1 \$001.1-1 \$001.1-1 \$001.1-1 \$001.1-1 \$001.1-1 \$001.1-1 \$001.1-1 \$001.1-1 \$001.1-1 \$001.1-1

Volatie MS/ASD Amilyee	110 48D	Volatie Volatie Volatie Surrogate MSAGSD Amyres	
NO INTERPERENCE DETECTED, TIC TOTAL=0	-	ALL SUTROCIATE RECOVERES WITHIN (SEE ANALYSES FOR [<u>BG] - [-4]</u>) NO INTICOMING. LIMITS FOR SOIL SAMFLES DETEC	N (SEE ANALYSES FOR (<u>RG) - 1 - 4</u>)
NO INTEMPRENCE DETECTED, TIC TOTAL =0	-	ALL SURROGATE RECOVERES WITHEN (SEE ANALYSES FOR [SUI-1-1]) NO INTECONTROL LIMITS FOR SOIL SAMPLES DETEC	NTB RECOVERES WITHEN (SEE ANALYSES FOR (<u>BU) - 1 - 1)</u> NITS FOR SOIL SAMPLES
NO INTERFERENCE DETECTED, TIC TOTAL=0	_	ALI SURROGATE RECOVERES WITHEN (\$11-2) ALI RECOVERY AND NO INTE CONTROL LIMITS FOR SOIL SAMPLES DEPERENCE VALUES WITHIN DETEC LIMITS EXCEPT RECOVERY: EZ-65% MK(66%)	VTE RECOVERIES WITHIN (\$\frac{5B_1}{2}=\frac{7}{2}\] ALL INCOVERY AND INCOVERY AND INCOVERY BOOK SOIL SAMPLES LIMITS EXCEPT RECOVERY: EZ=656 ME(666)
DETBC!	ANALYBES FOR [BB]=2-2) NO INTERPRENCE DETECTED, TIC TOTAL=0	ALL SURROGATE RECOVERES WITHIN (SEE ANALYSES FOR (SEE-3-2)) NO INTE	ATTS FOR SOIL SAMPLES ATTS FOR SOIL SAMPLES
NO INTERPRIENCE DETECTED, TIC TOTAL=0	_	ALL RECOVERY AND NO INTER CONTROL LIMITS FOR SOIL SAMPLES LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS LIMITS	INCT ALL RECOVERY AND DIFFERENCE VALUES WITHEN LINETS
VO INTERPERENCE DETECTED, TIC TOTAL=0	_	TE RECOVERES WITHIN (SEE ANALYSES FOR (SEE 2)) ITS FOR SOIL SAMPLES	(HEE ANALYSES FOR (SED2))

	Trip Blank Analysis	NA TB11-03-91 TB11-03-91 TB11-03-91 TB11-03-91	NA TB11-03-91 TB11-03-91	NA TBI1-03-91 TBI1-03-91 TBI1-03-91 TBI1-03-91	AA 1811-05-91 17811-05-91 17811-05-91 17811-03-91 1781-03-91 1781-03-91 1781-03-91 1781-03-91 1781-03-91	NA TB11-6-91 TB11-6-91 TB11-6-91 TB11-6-91 TB11-05-18T P-7-18T TB11-07-18T TB11-07-18T	NA TB11~6-91 TB11~6-91
	Equipment Blank Analysis	NA BB4-1 BB4-1 BB4-1 BB4-1	NA EB4-1 EB4-1	NA BB6-1 BB6-1 BB6-1 BB6-1	NA EBIA-1,1-1 EBIA-1,1-1 EBIA-1,1-1 EBIA-1,1-1 EBIA-1 EBIA-1 EBIA-1 EBIA-1 EBIA-1,1-1	NA EB2-1 EB2-1 EB2-1 EB2-1 EB2-1 EB1-1 EB1-1 EB2-1 EB2-1 EB2-1	NA BB2-1 BB2-1
	Field Blank Analysis	NA 181-1 181-1 181-1 181-1	XX FB1-1 FB1-1	NA FBB-1 FBB-1 FBB-1 FBB-1	NA 188-1 188-1 188-1 188-1 188-1 188-1 188-1	XX 1882-1-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-1881-	NA 1982 – 1 1982 – 1
Table F-3e. Volatile Organic Compound Data Validation Worksheets Indiana Air National Guard Base Fort Wayne, Indiana (Continued)	Continuing Calibration	11/1391 (INST# FINNZ) DALLYTUNE IN CONTROL: ALL, RRF50 > 0.010 %D < 40%	11/1591 (INST# FINN1) DALLYTUNB IN CONTROL: ALL. RRF50 > 0.010 %D < 40%	11/1391 (INST# FINNZ) DAILYTUNE IN CONTROL: ALL RRF50 > 0.010 %D < 40%	11/1591 (INST# FINN1) DALLYTUNE IN CONTROL: ALL RRF30 > 0.010 %D < 40%	11/1491 (INST# FINNI) DALLY TUNE IN CONTROL: ALL RRF50 > 0.010 \$D < 40%	11/1491 (INST# FINNI) DALLYTÜNE IN CONTROL: ALL RRF30 > 0.010 %D < 40%
Table P-3e. Volatile Indiana Air Nationa	Initial Calibration			11,0691 (INST# FINNZ) DALLY TUNB IN CONTROL: ALL RRF > 0.010 %RSD < 40% 11/1291 (INST# FINN1) DALLY TUNB IN CONTROL: ALL RRF > 0.010 %RSD < 40%			
	Laboratory Identification Number	VBNOV13 13284 13285 13287 13290	VBNOV15 13289 13288	VBNOV13 1326 1326 1326 MS 1326 MSD	VBNOV15 14259 14250 14250 14250 14250 13292 13295 13295 13295 13296 13296	VBNOV16 14346 14349 14352 14353 14350 14351 14396 14396 14396 MS	VENOV18 1432RE 14353RE
	SAIC Sample Number	SOILS VBLK3 BG2-1-3 SB1-2-1 SB1-2-3 SB1A-1-1	SOILS VBLK4 SB1-1-7 SB1-2-7	SOILS VBLK1 SB1-2 SB1A-1-2 SB1-2-2MS SB1-2-2MS	SOILS VBL72 SB1-3-1 SB1-3-2 SB1-3-2 SB1A-1-3 SB1A-1-5 SB1A-1-5 SB1A-2-1 SB1A-2-1 SB1A-2-1 SB1A-2-1 SB1A-3-1	SOLLS VBLX3 SB1A-1-5 SB1A-1-5R SB1-2-5 SB1-2-5 SB1A-3-4 SB1A-3-4 SB1A-3-6 SB1A-3-5 SBD-1 SBD-1 SBD-2 SBD-2 SBD-2	SOILS VBLK4 SB1-2-SRE SB1-2-SRRE

Tentatively Data Identified Validation	Qualifien	None Applied None Applied None Applied None Applied	None Applied None Applied	Nose Applied Nose Applied Nos Applicable Nos Applicable	MTING = 6TV(FB)/ACE=120U(EB) MTING = 76L(FB) NUTING = 8CL(FB) None Applied None Applied None Applied None Applied None Applied MTING = 3TV(FB) NONE Applied MTING = 6CV(FB) MTING = 6CV(FB) MTING = 6CV(FB)	Nose Applied Nose Applied Nose Applied NOS 4MEZPENT, PCE, PCA, EZME, BBZ, STY, XYI ENES = UJ (IS) BZME = 400 (IS) / 4MEZPENT, PCE, PCA, BEZ, STY, XYI ENES = UJ (IS) BZME = 400 (IS) / 4MEZPENT, PCE, PCA, BEZ, STY, XYI ENES = UJ (IS) BZME = 110 (FR) Nose Applied Nose Applied Nose Applied Nos Applied Not Applied Not Applied Not Applied Not Applied	None Applied
Tentatively Identified	Compounds	<u> </u>	<u> </u>	0 (0) 0 (0) Data Not Provided Data Not Provided	00000000000	Data Not Provided (0)	99
Significant Samole	Results	None Defected None Defected None Defected None Defected SAME = 2M µg/kg	None Detected None Detected None Detected	None Detected None Detected BZME=36 µg/kg Not Applk=blo Not Applk=blo	None Detected MTLNCL = 67ACB = 120/BZMB = 61 μg/kg MTLNCL = 76ACB = 160/BZMB = 61 μg/kg MTLNCL = 76ACB = 160/BZMB = 140 μg/kg MTLNCL = 190 μg/kg BZMB = 190 μg/kg BZMB = 250 μg/kg MTLNCL = 147/ACB = 120/BZMB = 170 μg/kg MTLNCL = 147/ACB = 159/BZMB = 100 μg/kg ACB = 70/BZMB = 160 μg/kg MTLNCL = 69/ACB = 190/BZMB = 160 μg/kg MTLNCL = 69/ACB = 150/BZMB = 160 μg/kg MTLNCL = 69/ACB = 150/BZMB = 160 μg/kg	None Detected MTLNCL = 34/ACE = 38/BZME=670 pg/kg ACE = 60/BZME=40 pg/kg ACE = 60/BZME=40 pg/kg MTLNCL = 64/ACE = 190/BZME=640 pg/kg MTLNCL = 161/BZME=910X pg/kg ACE = 130/BZME=570 pg/kg ACE = 250 pg/kg ACE = 250 pg/kg Not Applicable Not Applicable	None Detected MINCL = 86 mfts ATTANCE = 86 mfts
Laboratory Identification	Number	VBNOV13 13284 13285 13287 13280	VBNOV15 13289 13288	VBNOV13 13286 13291 13286 MS 13286 MSD	VBNOV15 14259 14250 14251 13293 13294 13295 13295 13295 13295	VENOV16 14346 14346 14352 14353 14356 14356 14366 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 14396 1439	VBNOVI8 14352RB
SAIC Sample	Number	SOILS VBLK3 BG2-1-3 SB1-2-1 SB1-2-3 SB1A-1-1	SOILS VBLK4 SB1-1-7 SB1-2-7	SOIL.S VELKI SB1-2-2 SB1A-1-2 SB1-2-2MS	SOIL.S VELZ2 SB1-31 SB1-31 SB1-33 SB1-3-3 SB1A-1-3 SB1A-2-1 SB1A-2-1 SB1A-2-1 SB1A-3-3 SB1A-3-3 SB1A-3-3	SOILS VELK3 SB1A-1-5 SB1A-1-5 SB1A-1-5 SB1A-3-4 SB1A-3-4 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5 SB1A-3-5	SOILS VBCK4 SBI -2-5RE

Footnotes to Table F-3d through F-3e. Volatile Organic Compound Data Validation Worksheets Indiana Air National Guard Base Fort Wayne, Indiana

Control limits for Water VOC Surrogate Recovery

Toluene-d8 (TOL): 88-110

4-Bromofluorobensene (BFB): 86-115

1,2-Dichloroethane-d4 (DCE): 76-114

Control Limits for Soil VOC Surrogate Recovery

Toluene-d8 (TOL): 84-138

Bromofluorobenzene (BFB): 59-113

1,2-Dichloroethane-d4 (DCE): 70-121

Control Limits for Soil VOC MS/MSD Analyses 1,1 - Dichloroethene (DCE11): 59-172, %RPD=22

Trichloroethene (TCE): 62-137, %RPD=24

Berzene (BZ): 66-142, %RPD=21

Toluene (TOL): 59-139, %RPD=21

Chlorobenzene (CLBZ): 60-133, %RPD=21

Tuning and mass calibration performed with bromofluorobenzene (BFB)

Volatile Internal Standard Area Summary Compounds:

Bromochloromethane(BCM)

1,4-Difluorobenzene(DFB)

L,4 - Dilluol obelizelle (Dr. Chlorobenzene - d5(CBZ)

NA - Not Applicable

Significant sample result data qualifiers:

D - analyte identified in an analysis at a secondary dilution factor.

E – analyte's concentration exceeds the calibration range of the instrument for

this specific analysis

J – analyte present between the lower detection limit of the instrument and the lower quantitation limit

B - analyte present in the method blank as well in the sample.

was properly preserved. Therefore, the 14-day holding time requirement was applied for the data collected during the Indiana ANGB SI.

Analysis of samples that have exceeded the method-recommended holding times may result in the following: 1) concentrations of compounds that would have been detected ordinarily are undetected due to chemical transformation, compound volatilization, or biodegradation; 2) reported concentrations lower than those originally present, due to the factors previously stated; or 3) reported concentrations greater than those originally present in the sample, due to external contamination of water samples or changes in soil moisture content. Based on an evaluation of all environmental samples and field QC blanks analyzed for VOCs all holding time criteria were met, except for SB1-2-5 RE and SB1-2-5R RE which were analyzed 16 days after collection. This holding time is considered to have no adverse impact on the associated environmental samples data quality; therefore, no action was taken.

Tuning and Mass Calibration Results — The first step in the calibration of the GC/MS system is the demonstration of satisfactory ionization and fragmentation of standard mass spectral tuning compounds. This was accomplished, in addition to a sensitivity check using p-bromofluorobenzene (p-BFB) injected at a concentration near the instrument detection limit, for EPA Method 8240 and the March 1990 CLP SOW protocol. This standard was analyzed every 12 hours to ensure that the GC/MS was tuned correctly. Tuning and mass calibration requirements used to evaluate the acceptable instrument operation are described in EPA Method 8240 and the March 1990 CLP SOW. Based on an evaluation of the ionization and fragmentation criteria, in addition to the instrument tune frequency, all p-BFB tuning and mass calibration criteria requirements were met.

Initial Calibration Results -- Calibration of the GC/MS used to analyze the samples collected during the Indiana ANGB SI was established by injecting EPA-traceable standards at five concentrations spanning the expected sample concentration range Initial calibration was conducted after the GC/MS tune criteria were met and before any samples were analyzed to determine the instrument sensitivity and the linearity of each target compound. Following the initial calibration, the average relative response factors (RRFs) and percent relative standard

deviation (%RSD) for all VOCs were evaluated to verify the validity of the initial calibration. Calibration criteria requirements for VOC analyses are presented in EPA Method 8240 and the March 1990 CLP SOW. Based on an evaluation of the initial calibrations conducted for VOC analyses, all calibration criteria requirements were met.

Continuing Calibration Results -- A check of the calibration curve was conducted once every 12 hours. The continuing calibration of the GC/MS system is evaluated based on the magnitude of the RRFs and percent difference (%D) between the average RRF of each compound for the initial calibration and the RRF of that compound in the continuing calibration standard. Minimum RRF and maximum %D criteria are presented in EPA Method 8240 and the March 1990 CLP SOW. Based on an evaluation of the continuing calibrations conducted for VOC analyses, all criteria requirements were met.

Internal Standard Summaries -- Three internal standards (i.e., bromochloromethane, 1,4-difluorobenzene, and chlorobenzene-d₅) were added to each sample immediately before analysis as indicators of instrumental operating variations. The concentration of VOCs detected was calculated with reference to the response factor (RF) of the internal standard for each sample. Internal standard area and retention time requirements are described in EPA Method 8240 and the March 1990 CLP SOW. Based on an evaluation of all analyses, all internal standard areas and retention times were within acceptable limits in all analyses, except chlorobenzene-d₅ in SB-B-02, SB1-04-02, BG2-1-1, SB1-2-5, and SB1-2-5R; bromochloromethane and chlorobenzene-d₅ in SB-B-02R and SB2-01-19R; and bromochlorobenzene, 1,4-difluorobenzene, and chlorobenzene-d₅ in SB2-01-19, BG1-1-4, BG1-1-4 MS, and BG1-1-4 MSD, which were less than the lower control limit. As a result, the VOCs quantified based on the RF of those ISs were qualified (i.e., all undetected values will be presented as "UJ[IS]" and all detected values will be presented "J[IS]") to indicate that the internal standard areas were outside the appropriate limits.

Blank Spike Recoveries - The surrogate recovery results of each method blank analyzed were evaluated as a method blank spike, as required by DOE/HWP-65/R1. Surrogate recovery control limits are described in the SOW prepared for the Indiana ANGB SI. Based on an

evaluation of all method blank spike analyses, the percent recoveries of all spike compounds were within acceptable limits.

System Performance Compound Summaries (Surrogate Recoveries) -- Three compounds (i.e., toluene-d₈, P-BFB, and 1,2-dichloroethane-d₄) were added to each environmental sample, and laboratory and field QC sample prior to purging. The control limits for surrogate recoveries in soil and water samples are described in the SOW prepared for the Indiana ANGB SI and the March 1990 CLP SOW. All surrogate recoveries were within the control limits, except for P-BFB in SB-B-02 (i.e., 71 percent); P-BFB and toluene-d₈ in SB2-01-19 (i.e., 72 and 131 percent respectively) and SB2-01-19R (i.e., 136 and 72 percent, respectively); and toluene-d₈ in SB-B-02R (i.e., 122 percent) and SB1-04-02 (i.e., 122 percent). All SB-B-02, SB2-01-19, SB2-01-19R, SB-B-02R, and SB1-01-02 analytical results were considered estimated and data validation qualifiers were applied accordingly (i.e., "UJ[SR]" for undetected compounds or "J[SR]" for detected concentrations) to indicate that the surrogate recoveries were outside the appropriate limits. Tables F-4 and F-5 summarizes the surrogate recovery results for groundwater and soil samples.

Method Blank Results — At least one volatile method blank was used to define the level of laboratory background and reagent contamination. Each method blank was evaluated for interferents that prevent accurate quantitation of a target compound. According to CLP method blank criteria, a laboratory blank may not contain methylene chloride, 2-butanone, or acetone in concentrations five times greater than the CRQL or any other target compound in concentrations greater than the CRQL. Methylene chloride was detected in one method blank (i.e., VBLK4 [2J μ g/L]) associated with one groundwater sample batch. As a result, the concentration of all affected samples (i.e., EB2-1 [5U(MB) μ g/L], FB2-1 [5U(MB) μ g/L], MW2-01R [5U(MB) μ g/L], TB11-6-91 [5U(MB) μ g/L], and TB11-7-91 [5U(MB) μ g/L], associated with VBLK4 were qualified (i.e., "U[MB]") to indicate that the methylene chloride reported was considered undetected, since the concentrations reported did not exceed 10 times that detected in the method blanks. No other VOCs were detected in the laboratory method blanks.

TABLE F-4. VOC SURROGATE RECOVERY QC SUMMARY: GROUNDWATER INDIANA ANGB, FORT WAYNE, INDIANA

PARAMETER	TOTAL NUMBER ANALYSES*	PERCENT RECOVERY RANGES	PERCENT RECOVERY CONTROL LIMITS	NUMBER WITHIN CONTROL LIMITS	NUMBER OUTSIDE CONTROL LIMITS
Toluene – d8	45	(88–110)	(88-110)	45	0
Bromofluorobenzene	45	(91–115)	(86–115)	45	0
1,2 - Dichloroethane - d4	45	(76–108)	(76–114)	45	0

• GROUND WATER, MATRIX SPIKE, MATRIX SPIKE DUPLICATE, METHOD BLANKS, TRIP BLANKS, FIELD BLANKS, EQUIPMENT BLANKS, TRIP BLANKS.

TABLE F-5. VOCSURROGATE RECOVERY QCSUMMARY: SOIL/SEDIMENT INDIANA ANGB FORT WAYNE, INDIANA

PARAMETER	TOTAL NUMBER ANALYSES*	PERCENT RECOVERY RANGES	PERCENT RECOVERY CONTROL LIMITS	NUMBER WITHIN CONTROL LIMITS	NUMBER OUTSIDE CONTROL LIMITS
Toluene-d8 Bromofluorobenzene 1,2-Dichloroethane-d4	22222	(81–117)** (84–138)*** (74–121)** (59–113)*** (70–121)**	(85 – 136) (85 – 129) (71 – 108) (74 – 110) (75 – 117)	\$\$ \$\$ \$\$ \$\$ \$\$	40%000

SOIL/SEDIMENT, MATRIX SPIKE, MATRIX SPIKE DUPLICATE, METHOD BLANKS.

H .. PERCENT RECOVERY RANGES FOR SW8240

••• PERCENT RECOVERY RANGES FOR CLP SOW 3/90

Matrix Spike/Matrix Spike Duplicate Results — MS/MSD analyses were conducted to assess the accuracy and precision of the laboratory and to evaluate the matrix effect of the sample upon the analytical methodology based upon the percent recovery of each compound. Accuracy was expressed as the percent recovery of the spike compounds. Precision was expressed as the RPD of the concentrations of the spike compounds in the MS/MSD samples. The control limits for percent recoveries in soil and water samples were described in EPA Method 8240 and the March 1990 CLP SOW. No action was taken based on percent recovery or RPD values; however, MS/MSDs were evaluated to verify that 1 MS/MSD analysis was conducted for each 20 environmental samples received by the laboratory (excluding dilutions and reanalyses conducted), that these analyses were conducted on environmental samples only, and that the recovery and difference results did not indicate systematic laboratory control problems. Tables F-6 and F-7 summarizes the MS/MSD results for groundwater and soil samples.

Four MS/MSD analyses (i.e., SB2-04-01, SB1-04-04, BG1-1-4, and SB1-2-2) were conducted using soil samples and 1 MS/MSD analysis (i.e., SED-2) was conducted using sediment sample collected during the Indiana ANGB, Fort Wayne Field SI. All percent recovery values were within the control limits, except for toluene in BG1-1-4 (141 and 144 percent), chlorobenzene in BG1-1-4 (137 percent), and benzene in SB1-2-2 (65 percent). Two MS/MSD analyses (i.e., MW1-02 and P-8) were conducted using groundwater samples collected during the Indiana ANGB SI. All percent recovery values were within control limits, except for toluene in P-8 (128 percent), trichlorethene in P-8 (125 percent), and chlorobenzene in P-8 (131 percent). All RPD values were within the control limits. No data validation qualifiers were applied, since trichloroethene, benzene, toluene, and chlorobenzene were not detected in the unspiked samples.

Significant Qualified Sample Results -- Data validation qualifiers have been added to EB2-1 (i.e., $5U[MB] \mu g/L$), FB2-1 (i.e., $5U[MB] \mu g/L$), MW2-01R (i.e., $5U[MB] \mu g/L$), TB11-6-91 (i.e., $5U[MB] \mu g/L$), and TB11-7-91 (i.e., $5U[MB] \mu g/l$) sample results to indicate that methylene chloride was detected in the associated laboratory method blanks. Data validation qualifiers have been applied to SB-B-02, SB2-01-19, SB-B-02R, and SB2-01-19R (i.e., "UJ[SSR,IS]" for nondetected compounds and "J[SSR,IS]" for detected compound concentrations) to indicate that the selected internal standard areas and surrogate recoveries

TABLE P.-6. VOC MSAASD QC SUMMARY: GROUNDWATER INDIANA AND BFORT WAYNE, INDIANA

		ACCURACY	ACY					PRECISION	NON	
PARAMETER	MS/MSD TOTAL No. ANALYSES	PERCENT RECOVERY RANDES	%R CONTROL LIMITS	NUMBER WITHIN CONTROL LIMITS	NUMBER OUTSTDE CONTROL LIMITS	MSD TOTAL No. ANALYSES	RANDE	RPD	NUMBER WITHIN CONTROL LIMITS	NUMBER NUMBER WITHEN OUTSEDE CONTROL LIMITS
1,1-Dkhloroothene	•	(94-127)	(61–145)	•	0		(0-2)	7	7	•
Trichloroethme	•	(106–125)	(71–120)	6	-	m	(1-n)	*	7	•
Вевлене	*	(94-102)	(76–127)	•	•	6	(9-5)	11	8	•
Tohene	*	(108-128)	(76–125)	6	-	6	(-1-7)	13	7	•
Chlorobeazeno	*	(114–131)	(75–130)	6	#	60	(-1-6)	13	2	•

MATRIX SPIKE AND MATRIX SPIKE DUPLICATE ANALYSES PERFORMED ON SAMPLES MW2-01R, P-8.

		ACCURACY	LACY					PRECISION	NOI	
PARAMETER	MSMSD TOTAL No. ANALYSES	PERCENT RECOVERY RANGES	%R CONTROL LIMITS	NUMBER WITHIN CONTROL LIMITS	NUMBER OUTSIDE CONTROL LIMITS	MSD TOTAL No. ANAL YSBS	RPD	RPD	NUMBER WITHIN CONTROL LIMITS	NUMBER NUMBER WITHIN OUTSIDE CONTROL LIMITS
1,1-Deblorocthane	10	(94-125)	(59–172)	01	0	8	[9-(\$1-)]	z	s	0
Trichloroethane	92	(65-95)	(62-137)	01	•	٠,	[(-16)-3]	*	ν,	•
Benzene	91	(65–115)	(66–142)	٥	-	8	[(-12)-18]	21	v	•
Tolsene	01	(95–144)	(59-139)	•	8	s	[(-5)-2]	12	'n	•
Chlorobeazene	91	(86–137)	(60-133)	۵	=	×	[(-13)-2]	72	v	•

MATRIX SPIKE AND MATRIX SPIKE DUPLICATE ANALYES PERFORMED ON SAMPLES SB2-04-01, SB1-04-04, BO1-1-4, SB1-2-2, AND SED-2.

were outside the appropriate control limits. Data validation qualifiers have been applied to BG1-1-4, BG2-1-1, SB1-2-5, and SB1-2-5R (i.e., "UJ[IS]" for nondetected compounds and "J[IS]" for detected compounds) to indicate that the selected internal standard areas were outside the appropriate control limits. A data validation qualifier has been applied to toluene in SB2-01-19 and SB2-01-19R (i.e., "J[FR]") to indicate matrix variability.

F.3.1.2 Aromatic Volatile (BTEX) Analysis (EPA Method 8020)

Thirteen samples (i.e., 4 groundwater samples and 9 soil samples) were collected and submitted to the NET Laboratory using EPA Method 8020 for BTEX analysis. A validation process was not required by the SOW prepared for the Indiana ANGB SI. The BTEX analytical results are presented in Table F-8.

F.3.1.3 Semivolatile Organic Compound Analysis (EPA Methods 3550/8270, 3510/8270 and March 1990 CLP SOW)

Twenty nine soil samples, 2 sediment samples, 7 groundwater samples, and 8 field QC blanks (i.e., field blanks and equipment blanks) were collected and analyzed by the NET Laboratory using EPA Methods 3550/8270 and 3510/8270. Thirty nine soil samples, 6 groundwater samples and 7 field QC blanks (i.e., field blanks and equipment blanks) were collected and analyzed by the NET Laboratory for SVOCs using the March 1990 CLP SOW. Data quality will be evaluated using the guidelines and control limits specified for holding times, tuning and mass calibration, initial and continuing calibration verification, method blank spike, method blank, surrogate recovery, internal standard area, and MS/MSD results. A presentation of the significant qualified sample results follows the laboratory QC results discussion. The SVOC data validation worksheets are presented in Table F-9.

Holding Times — Holding times were defined as the maximum amount of time allowed to elapse between the date and time of sample collection and the date and time the sample was extracted. Holding times were further defined as the maximum amount of time allowed to elapse between the date and time of extraction and sample analysis. The NET Laboratory was required to meet extraction holding times of 7 days for water samples and 14 days for soil samples collected for SVOC analysis. All analyses were required within 40 days of extraction.

				Table F-8. Indiana Ai	Table F-8. BTEX Compound Data Validation Worksheets Indiana Air National Guard Base, Fort Wayne, Indiana	\$192 1	
SAIC Semple	Laboratory	ļ pļ	Date	Date	Volatile Surrogate	Volatile MS/MSD	Volatile
Number	Number	Collected	(Primary)			Analyses	Analyses
WATERS WATER BLANK		\$	11/14/91	11/1491		CONDUCTED BUT NOT REVIEWED	NO INTERPERENCE DETECTED
MW4-01 MW4-02	14357	11/06/91	11/1491	11/1491	CONTROL LIMITS FOR WATER SAMPLES		
MW4-02R	14359	11/06/91	11/15/91	11/15/91			
P-1	14397	11/0/11	11/15/91	11/15/91			
MW4-01 MSD	14357 MSD	11/06/91	11/1491	11/1491			
SOILS							
WATER BLANK	. H20	¥	11/06/91	11/06/91	ALL SURROGATE RECOVERIES WITHIN	CONDUCTED BUT NOT REVIEWED	NO INTERPERENCE DETECTED
SB4-1-6	13112	10/30/91	11/06/91	11/06/91	CONTROL LIMITS FOR SOIL SAMPLES		
SB4-2-1	13177	10/31/91	11/06/91	11/06/91	EXCEPT: [\$B4-3-4] FOR ICLZFBZ=		
SB4-3-4	13193	11/01/91	11/06/91	11/08/91	34.7% (50%), [\$B4-1-1] FOR 1CLZFBZ=		
SB4-2-2	13178	10/31/91	11/06/91	11/06/91	5.8% (50%), [SB4-1-1RE] FOR ICL2FBZ=		
SB4-1-2	13111	10/30/91	11/06/91	11/06/91	5934.7% (125%)		
SB4-1-1	13110	10/30/91	11/08/91	11/08/91			
SB4-3-1	13191R	11/01/91	11/06/91	11/08/91			
SB4-3-2	13192R	11/01/91	11/08/91	11/08/91			
SB4-1-1	13110R	10/30/91	11/08/91	11/06/91			
SB4-3-4 MS	13193 MS	11/01/91	11/08/91	11/08/91			
SB4-3-4 MSD	13193 MSD	11/01/91	11/08/91	11/06/91			
-							

	1	Table F-8. BTEX Compound Data Validation Worksheets Indiana Air National Guard Base, Fort Wayne, Indiana (Continued)	orksheets (Continued)
	Laboratory	Initial	Continuing
SAIC Sample	Identification	Calibration	Calibration
Number	Number		
WATERS			
WATER BLANK	H20	INFORMATION ON FILE AT LABORATORY	INFORMATION ON FILE AT LABORATORY
MW4-01	14357		
MW4-02	14358		
MW4-02R	14359		
P-1	14397		
MW4-01 MS	14357 MS		
MW4-01 MSD	14357 MSD		
SOILS			
WATER BLANK	H20	INFORMATION ON FILE AT LABORATORY	INFORMATION ON FILE AT LABORATORY
SB4-1-6	13112		
SB4-2-1	13177		
SB4-3-4	13193		
SB4-2-2	13178		
SB4-1-2	13111		
SB4-1-1	13110		
SB4-3-1	13191R		
SB4-3-2	13192R		
SB4-1-1	13110R		
SB4-3-4 MS	13193 MS		
CD4-1-4 MCD	12102 MeD		
354-3-4 MOL	LOINS MOL		

	Table F-8. BTEX Indiana Air National Gu	Table F-8. BTEX Compound Data Validation Worksheets Indiana Air National Guard Base, Fort Wayne, Indiana (Continued)
	Laboratory	Significant
SAIC Sample	Identification	Sample
Number	Number	Results
WATERS		
WATER BLANK	H20	None Detected
MW4-01	14357	None Detected
MW4-02	14358	None Detected
MW4-02R	14359	None Detected
P-1	14397	None Detected
MW4-01 MS	14357 MS	Not Applicable
MW4-01 MSD	14357 MSD	Not Applicable
SOILS		
WATER BLANK	H20	None Detected
SB4-1-6	13112	$BZME=1.60 \mu g/kg$
SB4-2-1	13177	None Detected
SB4-3-4	13193	None Detected
SB4-2-2	13178	$BZME=3.50 \mu g/kg$
SB4-1-2	13111	$BZME=0.70 \mu g/kg$
SB4-1-1	13110	None Detected
SB4-3-1	13191R	None Detected
SB4-3-2	13192R	$BZME=0.98 \mu g / kg$
SB4-1-1	13110R	EBZ=210.00/m&p-XYLENES=110.00/
		o-XYLENES & STY=84.00 μg/kg
SB4-3-4 MS	13193 MS	Not Applicable
SB4-3-4 MSD	13193 MSD	Not Applicable

Footnotes to Table F-8. BTEX Compound Data Validation Worksheets Indiana Air National Guard Base, Fort Wayne, Indiana

Control limits for Water BTEX Surrogate Recovery

1-Chloro-2-Flourobenzene (1CL2FBZ): 50-125

Control Limits for Soil BTEX Surrogate Recovery 1-Chloro-2-Flourobenzene (1CL2FBZ): 50-125

Significant Sample Results Abbreviations:

BZME = TOLUENE

EBZ = ETHYLBENZENE

STY = STYRENE

SAIC Sample Number	Laboratory Identification Number	Date	Date Extracted	Semyolatie Date Surrogate Analyzed Recovery	Seraivolatilo MS/MSD Analyses	Semivolatile Blank Analyses	Sensivolatie Tuning/Mass	Semivolable Internal Standards
BATCH SW173 FB-01 FB-02 EW-01	90021708 90021709 90021710 MBH73 90021501 MBS173	86-22-80 8-22-80 8-22-80 8-22-80 8-22-80	***	888888		NO INTERFERENTS DETECTED	1	
BATCH SW181 EW-03	90021806 MBS181 MB181	8-28-80 \$ \$ \$ \$ \$ \$	08-31-90 08-31-90 08-31-90	09-15-90 ALL OTHERS OK 09-14-90 ZPP(8)	NONE CONDUCTED	NO INTERPERENTS DETECTED	ALL DFTPP CRITERIA WITHINCONTROL LIMITS (0914/90)	(09/1490) ALL AREAS WERE WITHIN CONTROL LIMITS
BATCH SW214B P-2 EW-07 MW2-01 MW1-02 MW1-01 EW-09 P-8 HT-01	90024801 90024901 90024901 90025102 90025102 90025106 MBS214B MBS214B	99-11-90 99-14-90 99-14-90 99-14-90 99-16-90 99-16-90 NA NA	99-28-80 99-28-80 99-28-80 99-28-80 99-28-80 99-28-80 99-28-80	10-10-90 \$1-\$5 LOW 10-10-90 ALL OK 10-10-90 ALL OK 10-10-90 ALL OK 10-10-90 ALL OK 10-10-90 ALL OK 10-10-90 ALL OK 10-10-90 ALL OK	NONE CONDUCTED	NO INTERPERENTS DETECTED	ALL DETER CRITERIA WITHINCONTROL LIMITS (10'10'90)	(09/490) ALL AREAS WERE , WITHIN CONTROL LIMITS
BATCH SW23R EW-05 FB-03 MW4-02	90022401 90023606 90023901 MB253R	08-31-90 09-11-90 09-12-90 NA	10-19-90 09-14-90 10-19-90 10-19-90	11-66-90 \$2(33) 10-62-90 ALL OK 11-65-90 \$2(41) 11-01-90 \$2(42)	NONECONDUCTED	NO INTERPERENTS DETECTED	ALL DETRE CRITERIA WITHINCONTROL LIMITS (100299, 11/01/90)	(10/02/90, 11/05/90) ALL AREAS WERE WITHIN CONTROL LIMITS

90021708 90021709 90021710 MB173	Calibration SPCC/CCC	Calibration SPCC/CC	Blank Analysis	Blank	Equipment Blank Analysis
90021708 90021709 90021710 MB173					
MB173	09-11-90 (CASE # SW173W)	09-12-90 (CASE # SW173W)	۷ ×	V 2	۷ ×
MB173	ALL SPCC RRF > 0.050	ALL SPCC RRF30 > 0.050	Y Z	ξ Χ	{ ∢ Z Z
	CCC %RSD < 30%	CCC %D < 25%			
90021501		09-13-90(CASE #SW173W)			
MBS173		ALL SPCC RRF50 > 0.050			
90021808	09-11-90 (CASE SW181W)	09-14-90 (CASE SW181W)	٧V	Y.	V.
MBS181 MR181	DAILY (09-11-90) TUNE IN CONTROL ALL SPCC RRF > 0.050	DAILY TUNE IN CONTROL ALL SPCC RRF50 > 0.050			
	CCC %RSD < 30%	CCC %D < 25%			
90024801	10-02-90 (CASE SW214B)	10-10-90 (CASE SW214B)	TB-08	FB-01,-02	2 EW-07
90024901	DAILY (10-02-90) TUNE IN CONTROL	DAILY TUNE IN CONTROL	۲×	٧×	٧×
90024902	ALL SPCC RRF > 0.050	ALL SPCC RRF50 > 0.050	TB-10	FB-01,-0	
90025101	CCC %RSD < 30%	CCC %D < 25%	TB-11	FB-01,-0	-
90025102			TB-11	FB-01,-0	
90025104			٧×	۲	
90025105			TB-12	FB-01,-0	
90025106			۲	۲	Y Z
MBS214B MB214B					
90022401	10-02-90 (CASE SW253R)	10-02-90, 11-01-90	٧	٧X	۲
90023606	DAILY (10-02-90) TUNE IN CONTROL	(CASE SW253R)	۲ ۲	۲	۲
0023901	ALL SPCC RRF > 0.050	DAILY TUNE IN CONTROL	TB-08	FB-03	EW-05
M B253K	CCC % RSD < 30%	ALL SPCC RRF30 > 0.030	۲ ۲	₹ Z	ď Z
	DAILY (11-01-90) TUNE IN CONTROL				
	ALL SPCC RRF > 0.050				
	90024901 90024902 90025101 90025104 90025106 MB214B MB214B 90022401 90023606	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ALL SPCC RRF > 0.050 CCC %RSD < 30% 10-02-90 (CASE SW253R) DAILY (10-02-90) TUNE IN CONTROL ALL SPCC RRF > 0.050 CCC %RSD < 30% 11-01-90 (CASE SW253R) DAILY (11-01-90) TUNE IN CONTROL ALL SPCC RRF > 0.050 CCC %RSD < 30% CCC %RSD < 30%	10-02-90 (CASE SW253R) 10-02-90 (CASE SW253R) 10-02-90 (CASE SW253R) 11-01-90 (CASE SW253R) CCC &R D < 25% 11-01-90 (CASE SW253R) ALL SPCC RRF > 0.050 ALL SPCC RRF > 0.050 11-01-90 (CASE SW253R) CCC &BD < 25% ALL SPCC RRF50 > 0.050 ALL SPCC RRF50 > 0.050 CCC &BD < 25% CCC &BD < 25% CCC &BD < 25% CCC &BD < 25% CCC &BD < 25% CCC &BD < 25% CCC &BD < 25%	ALL SPCC RRF > 0.050 ALL SPCC RRF > 0.050 CCC %RSD < 30% 10-02-90 (CASE SW253R) ALL SPCC RRF > 0.050 TB-11 NA 10-02-90 (CASE SW253R) ALL SPCC RRF > 0.050 CCC %RD < 25% TB-11 NA TB-12 NA 11-01-90 (CASE SW253R) ALL SPCC RRF > 0.050 ALL SPCC RRF > 0.050 CCC %RSD < 30% ALL SPCC RRF > 0.050 ALL SPCC RRF > 0.050 CCC %RD < 25% ALL SPCC RRF > 0.050 CCC %RD < 25% ALL SPCC RRF > 0.050 CCC %RD < 25% CCC %RD < 25% ALL SPCC RRF > 0.050 CCC %RD < 25% ALL SPCC RRF > 0.050 CCC %RSD < 30%

SAIC Sample Number	Identification Number	Sample Reults	Data OnaViera	Identified
BATCH SW173				
FB-01 FB-02 EW-01	90021708 90021709 90021710 MB173 90021501	ALL ND BISZEHP(12) ALL ND Not Applicable ALL ND	None Applied None Applied None Applied	NO TIC DATA PROVIDED
BATCH SW181 EW-03	90021808 MBS181 MB181	ALL ND Not Applicable Not Applicable	None Applied	
BATCH SW214B				
P-2	90024801	ALLND	All compounds = R(SSR)	ATAC DIT ON
EW-07	90024901	ALL ND	None Applied	PROVIDED
MW2-01	90024902	ALLND	None Applied	
MW1-02	90025101	ALLND	None Applied	
EW-09	90025104	ALLAD	None Applied	
P-8	90025105	ALLND	None Annied	
HT-01	90025106 MBS214B MB214B	ALL ND Not Applicable Not Applicable	None Applied	
BATCH SW253R				
EW-05	90022401	ALL ND	All compounds=R(EHT)	NO TIC DATA
FB-03	90023606	ALL ND	None Applied	PROVIDED
70-+MW	MB253R	ALL ND Not Applicable	All compounds=R(BHT)	

SAJC Sample	Laboratory Identification	Dete	Date	Date	Segrivolatile Surrogate	Semivolatile MS/MSD	Segivolatile Blank	Semivolatie Tuning/Mass	Somwolatie Internal
DATE SCITT	Number	Collected	Extracted	Analyzed	Recovery	Analyzes	Analyzes	Calibration	Standards
SB1-01-12	90021701	08-27-90	06-90-60	09-17-90 ALL OK	ALLOK		NO INTREPRESENTS	ALL DRIPP	mar_1/au/
\$81-01-11	90021702	08-27-90	06-00-60	_	ALOK		DETECTED	AIRRIA	ALL ADDAS WIDE
SB1-03-02	90021703	08-28-90	06-90-60	_	ALOK			WITHINCONTROL	
SB1-03-05	90021704	08-28-90	06-90-60	_	ALOK			IMI	
SB1-03-18	90021705	08-28-90	06-90-60	_	ALLOK			2 TI INPS A PPI V	(04/1/40))
SB-B-01	90/12006	08-28-90	06-09-60	_	ALLOK			(09/17,14/90)	ALL AREAS WERE
1		;	;	!	1				WITHINCONTROL
SB-B-02	90021707	8-22-80	8-8-8	09-18-90 ALL OK	ALC				LIMITS EXCEPT
SB1-02-03	10012006	8-29-30	8-99-08	90-18-90 ALL OK	¥T&				NPT, CRY, AND PRY
SB1-02-03R	20021802	3-29-90 3-29-90	06-90-60	09-18-90 ALL OK	ALLOK				(SMP# 21804)
SB1-02-16	90021803	08-28-90	00-00-00	00-18-90	ALLOK				NO REANALYSIS
SB2-01-01	90021804	08-29-90	06-90-60	09-18-90	09-18-90 51(134), 52(15)				
SR2-01-19	90021806	08-20-90	09-09-00	00-19-00 ATT OK	A11 OK				
	MBS177	£	06-90-60		ALOK				
SB1-02-16	90021803MS	08-28-80	06-90-60		ALLOK	ALL WITHIN			
SB1-02-16	90021803MSD	28-28-90	06-90-60		ALOK	LIMITS			
	MB177	ž	06-90-60	09-17-90 ALL OK	ALLOK				
BATCH SS190									
SB2-02-01	90022301	08-30-90	06-00-60	09-19-90 ALL OK	ALL OK	NONE CONDUCTIED	NO INTERPREDICT	AII DETPP	//mv10/m/
SB2-03-01	90022302	08-90-80	06-06-00	_	ALLOK		DETECTED	CRITERIA	ALL ARRAS WERE
SB2-04-01	90022303	08-30-80	8-10-60		ALLOK			MITHEROPHIE	
SB4-01-01	90022304	08-30-30	06-04-80	09-19-90 ALL OK	ALLOK			LDATIS	
								2 TUNES APPLY	(09/20/90)
SB4-01-02	90022303	083030	06-04-90	09-20-90 ATT OK	ATT OK			(0% 1%, AUTO)	WITHINGONIBO
SB4-02-01	90022306	08-90-80	06-06-80	09-19-90 ALL OK	ALLOK				LIMITS
SB4-02-02	90022307	08:30:40	09-04-80	00-19-90 ATT OK	ATT OK				
		:	!	:					
SB4-03-01	90022308	08-30-90	06-10-60	09-20-90 ALL OK	ALLOK				
SB4-03-02	80022308	06-30-30	06-10-60		ALOK				
SB4-04-01	90022310	08-30-80	08-07-00		ALOK				
SB4-04-02	11622006	06-06-90	8-5-8		ALLOK				
SB4-02-01	90022312	8-30-30	06-15-60 08-15-60	_	ALLOK				
SB4-08-02	90022313	06-30-30	06-00-60	-	ALLOK				
	MBS190	≨:	06-150-60 60-150-60	09-19-90 ALL OK	ALOK				

	Laboratory	Initial	Continuing	Trip	Field	Equipment
SAIC Sample	Identification	Calibration	Calibration	Blank	Blank	Blank
Number	Number	SPCC/CCC	SPCC/CCC	Analysis	Analysis	Analysis
BATCH SS177						
SB1-01-12	90021701	09-11-90 (CASE # SS177)	2 CCVs APPLY	۲ ۲	FB-01,-02	EW-01
SB1-01-11	90021702	DAILY (09-11-90) TUNE IN CONTROL	09-17-90 (CASE # SS177)	٧	FB-01,-02	EW-01
SB1-03-02	90021703	ALL SPCC RRF > 0.050	~	∢ Z	FB-01,-02	EW-01
SB1-03-05	90021704	CCC %RSD < 30%	CCC %D < 25%	۲z	FB-01,-02	EW-01
SB1-03-18	90021705		09-18-90 (CASE # SS177)	٧	FB-01,-02	EW-01
SB-B-01	90021706		2	Y X	FB-01,-02	EW-01
SB-R-02	90021707		%C7 > MM CCC	×	FB-0102	EW-01
SB1-02-03	90021801			Z Z	FB-01,-02	EW-03
SB1-02-03R	90021802			۲	FB-01,-02	EW-03
SB1-02-16	90021803			¥.	FB-01,-02	EW-03
SB2-01-01	90021804			٧	FB-01,-02	EW-03
SB2-01-19	90021806			٧X	FB-01,-02	EW-03
	MBS177					
SB1-02-16	90021803MS			₹ :		
SB1-02~16	90021803MSD MB177			¢ z		
BATCH SS190		2 ICVs APPLY	2 CCVs APPLY			
SB2-02-01	90022301	09-11-90 (CASE # SS190)	09-19-90 (CASE SS190)	₹	FB-01,-02	EW-03
SB2-03-01	90022302	DAILY (09-11-90) TUNE IN CONTROL	=	٧	FB-01,-02	EW-03
SB2-04-01	90022303	ALL SPCC RRF > 0.050	CCC %D < 25%	۲X	FB-01,-02	EW-03
SB4-01-01	90022304	CCC %RSD < 30% 09-19-90 (CASE # SS190)	2 %	۷ ۲	FB-01,-02	EW-03
SB4-01-02	90022305	DAILY (09–19–90) TUNE IN CONTROL ALL SPCC RRF > 0.050	CCC %D < 25%	۲	FB-01,-02	EW-03
SB4-02-01	90022306	CCC %RSD < 30%		٧	FB-01,-02	EW-03
SB4-02-02	90022307			٧	FB-01,-02	EW-03
SB4-03-01	90022308			۲×	FB-01,-02	EW-03
SB4-03-02	90022309			٧X	FB-01,-02	EW-03
SB4-04-01	90022310			٧z	FB-01,-02	EW-03
SB4-04-02	90022311			∀ Z	FB-01,-02	EW-03
SB4-05-01	90022312			٧X	FB-01,-02	EW-03
SB4-05-02	90022313			4 Z	FB-01,-02	EW-03
	MBS190					
	8:07					

	Laboratory	Significant		Tentatively
SAIC Sample	Identification	Sample Remits	Data Ousliffers	Identified Compounds
BATCH SS177				
SB1-01-12	90021701	ALL ND	None Applied	NO TIC DATA
SB1-01-11	90021702	ALL ND	None Applied	PROVIDED
SB1-03-02	90021703	ALLND	None Applied	
SB1-03-05	90021704	ALLND	None Applied	
SB1-03-18	90021705	ALL ND	None Applied	
SB-B-01	90021706	PLA(2201),PYR(1901),BZBF(1701),	None Applied	
		BZKF(3201),BZAP(2101)		
SB-B-02		ALLND	None Applied	
SB1-02-03		ALL ND	None Applied	
SB1-02-03R	90021802	FLA(270J),PYR(230J),BZBF(170J), BZYB/3301, BZA B/2301)	None Applied	
A1-00-199	200021803	DEAT ND	Leitar A second	
SB2-01-01	-	ALLND	NO2BZ, ISOP, NTPH2, DMPH24, BECEM, DCP24, TCB124, NAPH,	
!			4CLAN,HCBU,C4M3PH,MTNPH2,PYR,BTBZNATB,DBZD33, BZAA,BISZEHP,CHRY,DNOP,BZKF,BZBF,BZAP,INP123,	
			DBAHA, BZGHIP = UJ(SSR, LS) / All other compounds = UJ(SSR)	
SB2-01-19		BioZEHP(40W)	None Appuea	
,,		Not Applicable		
281-02-10		Not Application		
SB1-02-16	8	Not Applicable		
	MB177	Not Applicable		
BATCH SS190				
60-00-00s	100000	CN 114	None Amilied	ATAC OFF ON
10-70-798	20022301	מאויי		PBOVING
382-03-01	20022302	ALLIND		rrovinen
282-04-01	90022303	ALL ND	rone Apparen	
SB4-01-01	90022304	NAFH(29W),CNFH2(36W),PHAN(72V), FLA(660),PYR(600),CHRY(38W),BZBF(37W), RZKP(35W),RZAP(24W);	None Applied	
SB4-01-02	90022305	ALL ND	None Applied	
SB4-02-01		BZBF(2801),BZKF(3601),	None Applied	
		BCAP(280J),BCGH1P(230J)		
SB4 - 02 - 02	90022307	PHAN(300J),FLA(320),PYR(480),BZAA(380J), CHRY(400),BZBF(520),BZKF(830), BZAP(590),INP123(410),BZGHIP(540)	None Applied	
SB4~03-01	90022308	ALL ND	None Applied	
SB4-03-02		ALLND	None Applied	
SB4-04-01		ALL ND	None Applied	
SB4-04-02		ALLND	None Applied	
SB4~05-01	90022312	NAPH(1800),DBZFUR(280J)	None Applied	
SB4-05-02		ALLND	None Applied	
	MBS190	Not Applicable		

			Table F-9	c. Data Va	lidation Tables: Sen	Table F-9c. Data Validation Tables. Semivolatile Organic Compounds	spuno		
SAIC Sample Number	Laboratory Identification Number	Date Collected	Date Extracted	Date Analyzed	Semivolatile Surrogate Recovery	Senavolatie MS/MSD Analyzes	Semivolatie Blank Analyses	Semivolatie Tuning/Mass Calibration	Semvolatie Internal Standards
BATCH \$5192 \$D4-01	90022402	8	14-90	2	ALLOK		ERPERENTS	ALL DPTPP	(09/20/90)
SD4-02	90022403	08-31-90	09-14-90	09-21-90 ALL OK	ALLOK		DETECTED	CRITERIA	ALL ARÉAS WERE
SB1-04-01		06-90-60	14-8	09-21-90	ALCK			WITHINCONTROL	
SB1-0-18		06-90-60 60-80-80	<u>-8</u>	09-21-90	ALLOK			LIMITS	LIMITS
SB1-04-03		06-90-60	09-14-90	09-21-90 ALL OK	ALLOK			(08/27/80)	(08/21/80)
									WITHIN CONTROL
SB1-04-04	90023604	06-90-60	09-14-90	14-90 09-21-90 56(10)	S6 (10)				LIMITS
;		\$	DATE	09-21-90 ALL OK	ALLOK				
SB1-04-04	90023604MSD 90023604MSD MB192	06-90-60	09 - 14 - 90 - 14 - 90 - 14 - 90	09-21-90 ALL OK 09-21-90 ALL OK 09-21-90 ALL OK	ALOK ALOK	PCP(0 %R)			

	Laboratory	Initial	Continuing	Trip	Field	Equipment
SAIC Sample	Identification	Calibration	Calibration	Blank	Blank	Blank
Number	Number	SPCC/CCC	SPCC/CCC	Analysis	Analysis	Analysis
BATCH SS192						
SD4~01	90022402	09-19-90 (CASE # SS192)	2 CCVs APPLY	٧×	FB-01,-02	EW-03
SD4-02	90022403	DAILY (09-19-90) TUNE IN CONTROL	09-20-90 (CASE # SS192)	×	FB-01,-02	EW-03
SB1-04-01	90023601	ALL SPCC RRF > 0.050	ALL SPCC RRF50 > 0.050	×	FB-01,-02	EW-03
SB1-04-02	90023602	CCC %RSD < 30%	CCC %D < 25%	¥X	FB-01,-02	EW-03
SB1-04-03	90023603		09-21-90 (CASE # SS192)	۲ ۲	FB-01,-02	EW-03
			ALL SPCC RRF50 > 0.050 CCC %D < 25%			
SB1-04-04	90023604			Y _N	FB-01,-02 EW-03	EW-03
	MBS192					
SB1-04-04 SB1-04-04	90023604MSD 90023604MSD MB192			₹ ₹ Z Z		

		Table F-9c. Data Validation Tables: Semivolatile Organic Compounds (Continued)	Organic Compounds (Continued)	
	Laboratory	Significant		Tentstively
SAIC Sample	Identification	Sample	Data	Identified
Number	Number	Results	Qualifiers	Compounds
BATCH SS192				
3D4-01	90022402	ALL ND	None Applied	NO TIC DATA
SD4-02	90022403	ALL ND	None Applied	PROVIDED
SB1-04-01	90023601	ALL ND	None Applied	
SB1-04-02	90023602	ALL ND	None Applied	
SB1-04-03	90023603	PHAN(3601),FLA(730),PYR(730),BZAA(560),	None Applied	
		CHRY(620),BZBP(720),BZKP(800),	:	
		BZAP(790),INP123(610),		
		DBAHA(260J)BZGHIP(760)		
SB1-0-0	90023604	PHAN(1100),ANTH(280J),FLA(1100),PYR(1000),	None Applied	
		BZAA(530),CHRY(560),BZBF(530),		
		BZKF(580),BZAP(540),		
		INP123(330J), DBAHA(370J)		
	MBS192	Not Applicable		
SB1-04-04	90023604MS	Not Applicable		
SB1-04-04	90023604MSD	Not Applicable		
	MB192	Not Applicable		

Footnotes to Table F-9a through F-9c.

N-nitroso - di - n - propylamine (NNSPR), Hexachlorocyclopentadiene (HCCP), Phenol (PHENOL), 1,4-Dichlorobenzene (DCBZ14), 2-Nitrophenol (NTPH2), Pentachlorophenol (PCP), Fluoranthene (FLA), Di – n – octyphthalate (DNOP), 4-Chloro-3-methylphenol (C4M3PH), 2,4,6-Trichlorophenol (TCP246), 2,4-Dichlorophenol (DCP24), Hexachlorobutadiene (HCBU), Acenaphthene (ACNP), N-nitrosodiphenylamine(1) (NNSPH) 2,4 - Dinitrophenol (DNP24), and 4-Nitrophenol (NTPH4) N-Nitroso-di-n-propylamine: 41-116, %RPD= 38 N-Nitroso-di-n-propylamine: 41-126, %RPD= 38 4-Chloro-3-methylphenol: 26-103, %RPD= 33 Control Limits for Water SVOA Surrogate Recovery Control Limits for Water SVOA MS/MSD Analyses 4-Chloro-3-methylphenol: 23-97, %RPD= 42 Control Limits for Soil SVOA Surrogate Recovery System Performance Check Compounds (SPCCs): Control Limits for Soil SVOA MS/MSD Analyses 1,2,4-Trichlorobenzene: 38-107, %RPD= 23 1,2,4-Trichlorobenzene: 39-98, %RPD= 28 1,4 - Dichlorobenzene: 28 - 104, %RPD = 27 1,4-Dichlorobenzene: 36-97, %RPD= 28 Pentachlorophenol: 17-109, %RPD = 47 2,4-Dinitrotoluene: 28-89, %RPD= 47 2,4-Dinitrotoluene: 24-96, %RPD= 38 Pentachlorophenol: 9-103, %RPD= 50 2-Chlorophenol: 25-102, %RPD= 50 2-Chlorophenol: 27-123, %RPD= 40 4-Nitrophenol: 11-114, %RPD= 50 Calibration Check Compounds (CCCs): (S6) 2,4,6-Tribromophenol: 10-123 (\$6) 2,4,6-Tribromophenol: 19-122 Acenaphthene: 31-137, %RPD= 19 Acenaphthene: 46-118, %RPD= 31 4-Nitrophenol: 10-80, %RPD= 50 (S1) Nitrobenzene-d5: 35-114 (S2) 2-Fluorobiphenyl: 43-116 (S1) Nitrobenzene-d5: 23-120 (S2) 2-Fluorobiphenyl: 30-115 (\$5) 2-Fluorophenol: 21-100 (S5) 2-Fluorophenol: 25-121 Pyrene: 26-127, %RPD= 31 Pyrene: 35-142, %RPD= 36 Phenol: 26-90, %RPD= 35 and Benzo(a)pyrene (BZAP) Phenol: 12-86, %RPD= 42 (S3) Terphenyl: 18-137 (S4) Phenol-d5: 24-113 (S3) Terphenyl: 33-141 (S4) Phenoi - d5: 10 - 94

Footnotes to Table F-9a through F-9c (Continued)

Semivolatile Internal Standard Area Summary Compounds: bis - (2 - Ethylhexyl)phthalate = BIS2EHP bis(2 - Chloroethoxy)methane=BECEM 4-Chloro-3-methylphenol=C4M3PH Butybenzylphthalate = BTBZNATE 3,3'-Dichlorobenzidine=DBZD33 2-Methylnaphthalene=MTNPH2 1,4 - Dichlorobenzene - d4 (DCB) 1,2,4 - Trichlorobenzene = TCB124 Abreviations used for compounds: 2,4 - Dimethylphenol - DMPH24 2 - Chloronaphthalene = CNPH2 SSR-surrogate spike recovery BHT-extraction holding time Hexachlorobutadiene = HCBU Di-n-octylphthalate=DNOP 2,4 - Dichlorophenol = DCP24 Benzo(a)anthracene=BZAA Sample result data qualifiers: Acenaphthene-d10 (ANT) -estimated concentration Phenanthrene-d10 (PHN) Dibenzofuran = DBZFUR 4-Chloroamiline=4CLAN 2-Nitrophenol=NTPH2 Naphthalene-d8 (NPT) R - analysis was rejected Nitrobenzene=NO2BZ Phenauthrenc=PHAN Chrysene-d12 (CRY) Perylene-d12 (PRY) Naphthalene-NAPH NA - Not Applicable IS-internal standard Anthracene= ANTH Fluoranthene FLA ND-none detected Isophorone=ISOP Chrysene = CHRY U-not detected Pyrene-PYR

Indeno(1,2,3-cd)pyrene-INP123

Benzo(a)pyrene=BZAP

Benzo(b)fluoranthene=BZBF Benzo(k)fluoranthene=BZKF Dibenz(a,h)anthracene-DBAHA

Benzo(g,h,i)perylene BZGHIP

	Tabouton				Communication	demivries le	Semiwalstile	Sembolatile	Seminoledle
AAIC Sample Number	Identification Number	Date Collected	Date	Date Analyzed	Surrogate Recovery	MS/MSD Amlynes	Blenk Analyses	Turing Mass Calibration	Internal Standards
WATERS 18 14 1.1 18 14 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18 15 1.1 18	ME73.5 16.26 16.26 19.37 19.37 19.39 19.30 19.30 16.37 16.37 16.37 18.30	AN 1940011 1940011 1940011 1940011 1940011 1940011 1940011 1940011 1940011 1940011	14/0/11 14/0/11 14/0/11 14/0/11 14/0/11 14/0/11 14/0/11 14/0/11 14/0/11	1200/91 1200/91 1200/91 1200/91 1200/91 1200/91 1200/91 1200/91 1200/91	ATE RECOVERES WITHIN MITS FOR WATER CEPTION OF WATER CONTROL OF CEPTION (1976) AS THE 1976 (1976) AS THE 1976 (1976) AS THE 1976 (1976) AND MAN DEVELOR MED (1976) AND MAN DEVELOR MED (1976)	AWI-EE ALL RECOVERY AND DIPPERENCY AVALUES WITHIN LANTS DEVETER ECOVERES: CHAISPI- 60% MS, 10% MSD(9%); DNT24- 60% MS, 11% MSD(9%); AND PCP-12% MS, 12% MS, 12% MSD(10%)	NO BYTERFERENCE DETECTED, TIC TOTAL-0	DRITO HOLIAL DETEPTUNDO AND MASS CALIBRATION CALTESIA WITHIN CONTROL LIMITS (1203,0491)	DCB, NPT, ANT, PHN, CRY, AND PRY, ALLAREAS AND RETRYTON TRASS WERE WITHEN CONTROLLAMITS AND WINDOWS, RESPECTIVELY.
WATERS WAWI-01 MWI-01 MWZ-08 MWZ-08 PRZ-1 FRZ-1 FRZ-1 FRZ-1	MB742 14854 14856 14856 14866 MB744 1486	14/0/11 14/0/11 14/0/11 14/0/11 14/0/11 14/0/11	11/8//11 11/20/01 11/20/01 11/20/01 11/20/01 11/20/01 11/20/01	12/1491 (2/1291 (2/1291 (2/1291 (2/1291 (2/1291 (2/1291 (2/1491 (2/1491	ALL SURROCATE RECOVERES WITHIN (SEE ANALYSES FOR [<u>NW1-ER</u>) CONTROL LIMIT FOR WATER CONTROL LIMIT FOR WATER SAMPLES, EXCEPT [NW1-EL] NEZ-11 (18), [NW1-EL] THE 21% (19%) AND [E-B] TPH-21% (19%)		NO DYTERFERENCE DETECTED, TIC TOTAL=0 NO DYTERFERENCE DETECTED, TIC TOTAL=0	DNET P HP1.ALL DNETP TUNING AND MASS CALIBRATION CONTROL LIMITS 2 TUNIS APRIX: (12/12/1991)	DCS, NPT., ANT, PHN, CRY, AND RTY, ALLANEAS AND REFERTION TRUES WERE WITHEN CONTROL LIMITS AND WINDOWS, RESPECTIVELY.
SOLLS SRUZ2 189-2-1 180-1-6 180-1-6 180-1-9 181-1-1 181-1-2 181-1-2 181-1-2	MR737 13473 13473 13176 13176 13189 13189 13189	NA 19,12(0) 19,12(0) 19,12(0) 19,12(0) 19,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1) 11,12(1)	16/07 1 16/07 1 16/07 1 16/07 1 16/07 1 16/07 1 16/07 1 16/07 1 16/07 1 16/07 1 16/07 1	12/04/91 12/04/91 12/04/91 12/05/91 12/05/91 12/05/91 12/05/91 12/10/91	ALL SURROGATE RECOVERES WITHIN CONTROL LMITS FOR SOIL SAMPLES	SBL = Z-Z ALL RECOVERY AND DIFFERENCE VALUES WITHEN LAITS ENCEST RECOVERRES. DATA = 500 MS(870), AND RDE: PLENOL = 300 K(370), DOZZL = 400 (270), NNSTR = 450 (390), TORZL = 410 (270), AND ACAP = 310 (190)	NO INTERFERENCE DETECTED, TIC TOTAL=3	DETP TUNDO AND DETP TUNDO AND DETP TUNDO AND CALIBRATION CRITERIA WITHEN CONTROL LIMITS. (1203,04,05,04,11,1391)	DOS, NPT, ANT, PHN, CRY, AND PRY: ALL ARRAS AND RETRETION TERS WER. WITHIN CONTR.O.L. LABITS AND WINDOWS, RESPECTIVELY.
BOI-1-2 BOI-1-3 BOI-1-1 BO2-1-1 BO2-1-2 BO2-1-3 SBI-2-1DL SBI-2-3 SBI-2-7 SBI-2-7	7/4/5/5/5/5/5/5/5/5/5/5/5/5/5/5/5/5/5/5/	14/20/11 14/20/11 14/20/11 14/20/11 14/20/11 14/20/11 14/20/11 14/20/11 14/20/11 14/20/11 14/20/11	14/00/11 14/00/11 14/00/11 14/00/11 14/00/11 14/00/11 14/00/11 14/00/11	12/05/91 12/05/91 12/05/91 12/05/91 12/05/91 12/05/91 12/05/91 12/05/91 12/05/91 12/05/91 12/05/91 12/05/91					
SOLS SOLS SOLS SELA-1-4 SELA-1-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4 SELA-1-3-4		16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11	16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11 16/00/11		ALL SURROOATE RECOVERES WITHIN CONTROL LIGHTS FOR SOIL SAMPLES. 278-279-138-1279, DCB=1146 (29%) AND SEA-1-6 (19%) AND SEA-1-6 (19%) AND SEA-1-6 (19%) DCB=1166 (29%)	SEMA	NO INTERFISION CS DETECTED, TIC TOTAL = 1	DRIFE PERIALL DETER TURING AND MASS CALIBRATION CONTRICT WITHER CONTRICT LANGES (12/14/11/12/49!)	DCB, NFT, ANT, PHB, CRY, AND FRY: ALL ANGA AND RETHTON TOWN BY WERE WITHEN CONTROLLEMTS AND WINDOWS, RESPECTIVELY, EXCEPT THE AREA FOR [BIA - 2-1 MB] FOR FRY
581 - 3-1 581.4 - 3-9 581.4 - 3-9 581.4 - 3-1 581.4 - 1-1 581.4 - 2-1 581.4 - 2-1 581.4 - 2-1	1429 1520 1520 1520 1520 1520 1520 1520 1530 1530 1530 1530 1530 1530 1530 153	1490/11 1490/11 1490/11 1490/11 1490/11	11/00/51 11/00/51 11/00/51 11/00/51 11/00/51	14/1/21 14/1/21 14/1/21 16/1/21 16/1/21					

		Inchers Air National Guard Base, F	Indiana Air National Guard Base, Port Wayne, Indiana (Continued)		
SAIC Sample Number	Laboratory Késatification Nember	Initial Cultration	Controling Odibriton	Ffeld Blank Amslynis	Equipment Blank Assiysis
WATERS 18E4.1 18E4.1 18E4.1 18E4.1 19E4.1 19E4.1 19E4.1 10W.1.4 10W.1.43 10W.1.43 10W.1.43 10W.1.43	MB735 M 14346 M 14346 M 14377 M 15379 M 15379 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 1437 M 143	120091 (DOT 0 191) DAILY TURE DO CONTROL ALLERE > 0.00 WRED < 40%	120891 (NNT # HF1) DALLY TUNE IN CONTROL ALLERESO > AND %D < 40% 120491 (NNT # HF1) DALLY TUNE IN CONTROL %D < 40%	A X X X X X X X X X X X X X X X X X X X	NA NA NA EBA-1,1-1 NA NA EBH-1 EBH-1 EBH-1 EBH-1 EBH-1,1-1
WATERS SELKS MW1-01 MW2-04 MW2-0-1 FB2-1 SELKS	MB742 M48742 14354 14356 14396 14396 MB746 14398	L20091 (DIST 8 HP1) DALLY TUNE IN CONTROL LALBRY > 0.00 NEBD < 40% LALBRY > 0.00 LALBRY > 0.00 ALBRY > 0.00 WASD < 40% WASD < 40%	12/1281 (RNST # 1971) DALLY TUNE BN CONTROL ALLERPS DO A COON 12/1491 (RNST # 1971) DALLY TUNE IN CONTROL ALLERPS DO A COON ALLERPS DO A COON	782-1 783-1 783-1 783-1 784-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1 874-1	M M M M M M M M M M M M M M M M M M M
SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SOULS SO	19173 19173 19173 19173 19176 19176 19176 19177 19177 19177 1917 191	124691 (BNT 9 FB!) DALLY TUNE BY CONTROL ALLEY S 400 121991 (BNT 9 FB!) DALLY TUNE BY CONTROL ALLAYP > 0.00 98.8D < 40%	12/8891 (BRT # HP1) DALLY TURE DY CONTROL ALL REPS > 646 12/891 (BRT # HP1) DALLY TURE DY CONTROL ALL REPS > 646 12/891 (BRT # HP1) DALLY TURE BY CONTROL ALL REPS > 646 12/891 (BRT # HP1) DALLY TURE BY CONTROL ALL REPS > 649 12/11/91 (BRT # HP1) DALLY TURE BY CONTROL ALL REPS > 649 12/11/91 (BRT # HP1) DALLY TURE BY CONTROL ALL REPS > 649 12/11/94 (BRT # HP1) DALLY TURE BY CONTROL ALL REPS > 649 12/12/94 (BRT # HP1) DALLY TURE BY CONTROL ALL REPS > 649 12/12/94 (BRT # HP1) DALLY TURE BY CONTROL ALL REPS > 649 12/12/94 (BRT # HP1) DALLY TURE BY CONTROL ALL REPS > 649 12/12/94 (BRT # HP1) DALLY TURE BY CONTROL ALL REPS > 649 ALL REPS > 649 ALL REPS > 649 ALL REPS > 649 ALL REPS > 649 ALL REPS > 649	₹ \$\$\$\$\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	N
300,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180,000 180	METTON 16250 16250 16251 16251 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252 16252	1200-91 (DNT 8 HP1) ALLY THER IN CONTROL ALLER > 6.09 12/1391 (DNT 8 HP1) DAILY THER IN CONTROL ALLER > 6.06 ALLER > 6.09 ARBD < 609	12/10/91 (RNT # HP1) DALLY TURE IN CONTROL ALL REP 90 + 4000 ALL REP 90 + 4010 DALLY TURE IN CONTROL ALL REP 90 + 4010 MAL NEP 90 + 4010 ALL REP 90 + 4010 ALL REP 90 + 4010 ALL REP 90 + 4010 DALLY TURE IN CONTROL ALL REP 90 + 4010 ALL REP 90 + 4010 ALL REP 90 + 4010 ALL REP 90 + 4010 ALL REP 90 + 4010 ALL REP 90 + 4010 ALL REP 90 + 4010 ALL REP 90 + 4010	A 5 C C C C C C C C C C C C C C C C C C	MA 883 - 1 882 - 1 882 - 1 884 - 1,1-1 884 - 1,1-1 885 - 1 885 - 1 885 - 1 886 - 1 886 - 1 886 - 1 886 - 1 886 - 1 886 - 1 886 - 1 886 - 1 886 - 1 886 - 1 886 - 1 886 - 1

		Inche F - Xe. soundeme of guas Compount Lein Valuenton Warmens Indiana Air National Ount Base, Fort Wayne, Indiana (Continued)	unic Compound Data VI d Base, Port Wayne, Ind	elidarion Workshoess fam (Continued)
SAIC Sample	Laboratory Edentification Number	Significant Sumple Breatha	Tentatively Mentified	Data Validation Conflictor
WATERS	Jahran		Components	
SPCKI	MEBTS	Name Detected	9	
#84A-1		None Detected	96	None Applied
MW1-02	14367	Nose Detected	13(1)	Nose Applied
1-842	1363	None Detected None Detected	6	None Applied None Ambled
1-16	18299	Nose Detected	9	Nose Applied
OW1-1	1930	Nose Detected	(E) (E)	All compounds = R(19R) All communications
MWI-02 MS	14367 3455	Not Appliable Not Appliable	Data Not Provided Data Not Provided	Not Applicable Not Applicable
WATERS				
SELEC	MB742	None Detected	9	
19-2454	188	None Detected	25	Nose Applied
MW3-618	1436	None Detected	6	None Applied
1-018	1481	None Detected	E	None Applied
7-e	M8744 1439	None Detected None Detected	ee	Nose Applied
SOUR				
2		None Detected		
S 20 3 - 1	13174	PHAN - 350FLA - 660/FVR - 560/BULEHP - 240/	(R)	None Applied
4.00 - 16		None Deleted		
0-1-088		None Detected		
1-1-100	20151	None Detected Ab/DSI = 1000 = 100	(SE) OMA:	None Applied
8-1-188		None Detected		
1-1-104		DYT24=3400NNSPH=800FILA=600FLA=1500/ PYE=1400NZAA=1000NZRP=2200/		
i		12.A7=1100 p.gltg		
7-1-104		MS2EHF = 570/EZFF = 1000 µg/kg		į
	1251 1251	None Detected Name Detected	12670 (20)	Nose Applied Nose Applied
1-1-10		None Detected		
802-1-9		None Detected		Nose Applied
314-2-10F		FL. = 30003/774A = 100003/AVI 11=22003/ FLA = 130003/FYR = 94003/BZAA = 4400D/		
8B1-2-3		CHRY = 43000/62.0F = 69000/62.AP = 36000 p.g/t.g. None Detected	7650(11)	Nose Applied
3 PK - 2 - 5		None Detected	(21) O. 6.	None Applie
SEL-1-7		None Detected	(91)	None Applied
SBI -2-7 MS SBI -2-7 MSD	ISM MSD	Not Applicable Not Applicable Do	Date Not Provided Date Not Provided	Not Applicable Not Applicable
\$31Q				
SBLKe	METSE	Nose Detected	130(1)	Address Annual Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contro
89th-1-		None Detected		All compound = U4(38K)
38(A-V-)		Nose Detected		Note Applied
80 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		None Detected		Nose Applied
SBIA-1-5 (be round)) 1332 (M round)	None Detected		None Applied
\$61A-1-9 \$61A-1-9		None Detected		None Applied
384A-3-2	585	None Detected	0	None Applied
861-3-5		None Detected		All compound = R(SSR)
504.7-2-20C	1420	ACAP = 19000 APCS ACAP = 19000 APCS ACAP = 140/052FUR = 71.1/FL = 140/FHAN = 1400/		None Applied
		ANTH-1204CAR-2304FLA-15007FYR-1700/ BZAA-740KSRY-730/EZBF-1300/EZAF-540/		:
Ţ		INP129=570J pgkg Ft A = 400,FYR = \$40,FR2 AP = \$40,FR2 AP = [40] asks	£25	
80KA-3-3		FLA-BLIFFE =94J ggkg	(E)	
SBIA-1-2 (M round)	13391 (Mr round)	FLA-1001 parts	21000	Nose Applied
8BIA-2-1		FLA=610FTR=620723F=1300722AP=660 INP123=906 4461	16780 (18)	
SBIA-2-1 MS	1324.145	Not Applicable	Data Not Provided	No Applicate
- Comme	2			

					Table F-9: Semivolatile Organ Indiana Air National C	Table F-9s. Semivolatile Organic Compound Data Validation Worksheets Indiana Air National Oun of Bees, Port Wayne, Indiana				<u> </u>
SAIC Sample Number	Laboratory Eduntification Number	Date Collected	Date Estimated	Date Analyzed	Semivolatile Surrogate Recovery	Sembrodatio MS/MS/D Ambyres	Semivolatile Bank Ambras	Seasivoletile Tuning/Mess Oaliberiles	Semivoledie Internal Semiderde	T
80E.8 181.7 181.2-9 (strough) 185.1-1 185.1-1	MB730 14555 (is round) MB736 1300 (5285	NA 11,020,11 NA 10,020,11 11,00,01	16/2/11 16/2/11 16/2/11 16/4/11 16/4/11	1878/21 1878/21 1878/21 1878/21 1878/21	ALL SURROGATE RECOVERES WITHIN CONTROL LIMITS FOR SOIL SAMPLES. CONTROL LIMITS FOR SOIL SAMPLES. FIRE-OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), AND [SEE] NEZ-OW, (1996), AND [SEE] NEZ-OW, (1996), AND [SEE] DCB—OW, (1996), AND [SEE] DCB—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PILL—OW, (1996), PIL	_	NO BYTEAUTRANCE DETECTED, TIC TOTAL = 0 NO BYTEAUTRANCE DETECTED, TIC TOTAL = 0	MAT # HELL ALL DATE TUNION AND MASS CALIBATION CONTROL LANTH CONTROL LANTH I TUNE AFFLER (121 991)	DCS, NTT, ANT, PHN, CRY, AND PRY, ALLARASA AND RETEMPTOR TRESS WER. WITHEN CONTROL LAMITS AND WINDOWS, RESPECTIVITY.	T
SOIL.5 188.Kp 188.Kc -1-2 (2ndrowed) 1329 (2nd rowed) 188.Ku 188.Ku 1-3 (2ndrowed) 1322 (2nd rowed)	MBYZ: 1381 (And round) MBY95 1382 (And round)	1470/11 NA 11/0/11	12/2/21 12/2/21 12/2/21	12/24/91 12/24/91 01/08/92 01/08/92	ALL SURRODATE RECOVERIES WITHIN CONTROL LIMITS FOR SOIL SAMITES	(\$BRAESULTS ASSOCIATED WITH [\$BLA-I-Z(JE ESHED)) (\$EERESULTS ASSOCIATED WITH [\$BLA-I-Z(JE ESHED))	BNTEAPERINGE DETECTED, TIC TOTAL-1 NO BNTEAPERINGS DETECTED, TIC TOTAL-1	DRITO HPILALL DETER TUBBOG AND MASS CALIBEAT WITHIN CONTROL LAMIT. 2 TUBBS APPLY: (127491,014972)	DCS, NPT, ANT, PHN, CR.Y, AND PRY, ALL, AREA, AND RETERTION TIMES WER. WITHEN CONTR. CL. LIMITS AND WINDOWS, RESPECTIVELY.	
SOIL.S SBL-Zi. SBL-2-Sk (2ndround) 14355 (2nd round)	MINOCC 14559 (2nd romed)	NA LLARAL	01/09/92	04/18/92	ALL SURROGATE RECOVERES WITHD (CONTROL LBHITS FOR SOIL SAMPLES	(488.885 U.Ts ASSOCIATED WITH (5 <u>81-1-2 & (brownfi</u>))	NO BITERPERENCE DETECTED, TIC TOTAL=4	BNST # HP1.ALL DETPT FILSHO AND MASS CALERATOR CRITICAL WITHER CONTROL LIMITA. I TUNES APPLES. (04.1872)	DCS, NPT, ANT, PHN, CRY, AND PRY, ALL AREA, AND RESTRICTION TOMB WIRE WITHEN CONTR. CA. LIMITS AND WINDOWS, RESPECTIVELY.	

SAIC Sample	Laboratory Identification	Initial	Continuing	Field Rlank	Equipment Rlank
	Number	Calibration	Calibration	Analysis	Analysis
SOILS					
	MB720	12/13/91 (INST# HP1)	12/14/91 (INST# HP1)	YN T	YN I
-5K (1st round)	14353 (1st round)	DAILY TUNE IN CONTROL:	DAILY TUNE IN CONTROL:	FB2-1	EB2-1
SB3-1-1	MB/30	&RSD < 40%	%D < 40%	1-134-1 1-174-1	1 de 1
SB1A-1-5	13293			FB1-1	EB4-1
SOILS	M B782	12/13/01 (INST# HP1)	12/24/91 (INST# HP1)	Ž	₹
1-2 (2nd round)	13291 (2nd round)	DAILY TUNE IN CONTROL: ALL RRF > 0.010	DAILY TUNE IN CONTROL: ALL RRF50 > 0.010	FB1-1	EB4-1
SBLK10	MR705	%RSD < 40%	%D < 40% 01/08/02 (INST# HPI)	¥	Ž
-3 (2nd round)	13292 (2nd round)		DAILY TUNE IN CONTROL: ALL RRF50 > 0.010 %D < 40%	FB1-1	EB4-1
				;	;
MB802 SB1-2-5R (2ndround) 14353 (2nd round)	M B802 14353 (2nd round)	01/19/92 (INST# HP1) DAILY TUNE IN CONTROL: ALL RRF > 0.010 %RSD < 40%	01/19/92 (INST# HP1) DAILY TUNE IN CONTROL: ALL RRF50 > 0.010 %D < 40%	NA FB2-1	NA EB2-1

SAIC Sample Number	Identification Number	Sample Results	Identified Compounds	Validation Qualifiers
SOILS SBLK6 SBL-2-5R (1st round) SBLK7 SB3-1-1 SB1A-1-5	MB720 14333 (ist round) MB736 13109 13293	None Detected None Detected None Detected BISZEHP=2400X µg/kg None Detected	6 (0) 1390 (7) 0 (0) 6720 (11) 4990 (15)	
SOILS SELK9 SB1A-1-2 (2nd round) 13291 (2nd round) SBLK10 MB795 SB1A-1-3 (2nd round) 13292 (2nd round)	MB762 13291 (2nd round) MB795 13392 (2nd round)	DEPH=2300 µg/kg DEPH=2400EPHAN=3300/FLA=790PYR=810/ BZAA=510CHRY=590/BZBF=710/BZ/RF=860/ BZAD=800/1NP123=570/BZ/GHIP=700 µg/kg Nome Detected PYR=631 µg/kg	260 (1) 830 (2) 460 (2) 1340 (6)	DEPH.PHAN,FLA,PYR,BZAA,CHRY,BZBF,BZKF,BZAP,INP123,BZOHIP=J(EHT) All other compounds=R(EHT) PYR=631(EHT)/All other compounds=R(EHT)
SOILS SBLK11 SB1-2-5R (2nd round) 14353 (2nd round)	MB902 14333 (2nd round)	None Detected None Detected	800 (4) 20320 (19)	All compounds= R(EHT)

Footnotes to Table F-9d and F-9e. Semivolatile Organic Compound Data Validation Worksheets Indiana Air National Guard Base, Fort Wayne, Indiana

Control limits for Water SVOC Surrogate Recovery

Nitrobenzene—d5 (NBZ): 35–114

2-Fluorobiphenyl (FBP): 43-116 Terphenyl-d14 (TPH): 33-141

Phenol – d5 (PHL): 10 – 110

2-Fluorophenol (2FP): 21-110

2,4,6—Tribromophenol (TBP): 10—123 2—Chlorophenol—d4 (2CP): 33—110 (advisory)

1,2-Dichlorophenol-d4 (DCB): 16-110 (advisory)

Control Limits for Soil SVOC Surrogate Recovery

Nitrobenzene-d5 (NBZ): 23-120

2-Fluorobiphenyl (FBP): 30-115

Terphenyl-d14 (TPH): 18-137 Phenol-d5 (PHL): 24-113

2-Fluorophenol (2FP): 25-121

2,4,6-Tribromophenol (TBP): 19-122 2-Chlorophenol-d4 (2CP): 20-130 (advisory)

1,2-Dichlorophenol-d4 (DCB): 20-130 (advisory) Control Limits for Water SVOC MS/MSD Analyses

Phenol (PHENOL): 12–110, %RPD= 42

2-Chlorophenol (CLPH2): 27-123, %RPD= 40 1,4-Dichlorobenzene (DCBZ14): 36-97, %RPD= 28

N-Nitroso-di-n-propylamine (NNSPR): 41-116, %RPD= 38 1,2,4-Trichlorobenzene (TCB124): 39-98, %RPD= 28

4-Chloro-3-methylphenol (C4M3PH): 23-97, %RPD= 42 Acenaphthene (ACNP): 46-118, %RPD= 31

4-Nitrophenol (NTPH4): 10-80, %RPD= 51

2,4-Dinitrotoluene (DNT24): 24-96, %RPD= 38 Pentachlorophenol (PCP): 9-103, %RPD= 50

Pyrene (PYR): 26-127, %RPD= 31

Footnotes to Table F-9d and F-9e. Semivolatile Organic Compound Data Validation Worksheets Indiana Air National Guard Base, Fort Wayne, Indiana (Continued)

D-the compound was analyzed at a secondary dilution factor after exceeding the calibration range of the instrument on the first analysis. X-identification criteria not met, but presence is strongly suspected uning and mass calibration performed with decastuo rotriphenylphosphine (DFTPP). B-the reported value is estimated due to the presence of interference N-Nitroso -di - n - propylamine (NNSPR): 41 - 126, %RPD= 38 1,2,4 - Trichlorobenzene (TCB124): 38 - 107, %RPD= 23 4-Chloro - 3 - methylphenol (C4M3PH): 26 - 103, %RPD= 33 Acenaphthene (ACNP): 31 - 137, %RPD= 19 semivolatile Internal Standard Area Summary Compounds: 1,4-Dichlorobenzene (DCBZ14): 28-104, 96RPD= 27 24-Dinitrotoluene (DNT24): 28-89, %RPD= 47 Pentachlorophenol (PCP): 17-109, %RPD= 47 Pyrene (PYR): 35-142, %RPD= 36 Phenol (PHENOL): 26-90, %RPD= 35 2-Chlorophenol (CLPH2): 25-102, %RPD= 50 4-Nitrophenol (NTPH4): 11-114, %RPD= 50 Control Limits for Soil SVOC MS/MSD Analyses bis -- (2 - Ethylhexyl)phthalate = BIS2EHP N-Nitrosodiphenylamine (1)-NNSPH indeno(1,2,3-cd)pyrene=INP123 1,4-Dichlorobenzene-d4 (DCB) RPD-relative percent difference Abreviations used for compounds Benzo(g,h,i)perylene=BZGHIP Benzo(b)fluoranthene = BZBF Benzo(k)fluoranthene = BZKF EHT-extraction holding time SSR-surrogate spike recovery Avenaphthene—dio (ANT)
Phenanthrene—dio (PHN)
Chrysene—di2 (CRY)
Perylene—di2 (PRY) Benzo(a)anthracene=BZAA 2,4-Dinitrotoluene = DNT24 ample result data qualifiers. J-estimated concentration Dibenzofuran = DBZFUR 4-Methylphenol = 4MPH Diethylphthalate = DEPH Pentachlorophenol = PCP Berzo(a)pyrene=BZAP R-analysis was rejected Naphthalene-d8 (NPI) Acenaphthene = ACNP Phemanthrene-PHAN Anthracene = ANTH Fluoranthene=FLA Chrysene=CHRY Carbazole=CAR U-not detected Pyrene=PYR Fluorene=FL

Based on an evaluation of all environmental samples and field QC blanks analyzed for SVOCs using EPA Method 3550/8270 and the March 1990 CLP SOW, all holding time criteria were met, except for SB3-1-1 which was extracted 22 days after sample collection. As a result, the analytical results were qualified (i.e., "UJ[EHT]" and for undetected compounds and "J[EHT]" for detected compounds) to indicate that the results should be considered estimated due to the exceeded extraction holding time.

One equipment blank (i.e., EW-05), 1 groundwater sample (i.e., MW4-02), and 3 soil samples (i.e., SB1A-1-3 collected in 1990 and SB1A-1-2 and SB1-2-5 collected in 1991 were extracted more than 24 days beyond the applicable extraction holding time. As a result, all undetected results were rejected and all detected results were estimated (i.e., "R[EHT]" and "J[EHT]" respectively) to indicate the exceeded holding times.

Tuning and Mass Calibration Results — The first step in the calibration of the GC/MS system is the demonstration of satisfactory ionization and fragmentation of standard mass spectral tuning compounds. This was accomplished, in addition to a sensitivity check, using decafluorotriphenylphosphine (DFTPP) injected at a concentration near the instrument detection limit for EPA Method 8270 and the March 1990 CLP SOW protocol. This standard was analyzed every 12 hours to ensure that the GC/MS was tuned correctly. Tuning and mass calibration requirements used to evaluate the acceptable instrument operation are described in EPA Method and the March 1990 CLP SOW. Based on an evaluation of the ionization and fragmentation criteria, in addition to the instrument tune frequency, all DFTPP tuning and mass calibration criteria requirements were met.

Initial Calibration Results — After the tuning and mass calibration criteria were verified and before samples were analyzed, calibration of each GC/MS used to analyzed samples collected during the Indiana ANGB SI was established and validated by injecting traceable standards at five concentrations spanning the expected sample concentration range to determine instrument sensitivity and the linear range of each target compound. Initial calibration was conducted after the GC/MS tune criteria were met and before any samples were analyzed. The average RRF and percent RSD values for all SVOCs were evaluated to verify the validity of the initial

calibration. Initial calibration criteria requirements for SVOC analyses were described in EPA Method 8270 and the March 1990 CLP SOW. Based on an evaluation of the initial calibrations conducted for SVOC analyses, all criteria requirements were met.

Continuing Calibration Results — Every 12 hours, a CCV standard was analyzed. The continuing calibration was evaluated based on the magnitude of the RRFs and percent difference (%D) between the average RRF of each compound for the initial calibration and RRFs of that compound in the continuing calibration standard. Minimum RRF and maximum %D criteria are presented in EPA Method 8270 and the March 1990 CLP SOW. Based on an evaluation of the continuing calibrations conducted for SVOC analyses, all criteria requirements were met.

Internal Standard - Six internal standards (i.e., 1,4-dichlorobenzene-d₄, naphthalene-d₈, acenaphthene-d₁₀, phenanthrene-d₁₀, chrysene-d₁₂, and perylene-d₁₂) were added to each sample immediately before analysis as indicators of instrumental operating variations. concentrations of SVOCs detected were calculated with reference to the RF of the internal standard (IS) for each sample. IS area requirements were described in EPA Method 8270 and the March 1990 CLP SOW. Based on an evaluation of all analyses, all IS areas were within acceptable limits, except for naphthalene-d₈, chrysene-d₁₂ perylene-d₁₂ (i.e., area counts less than the lower minimum) in SB2-01-01. As a result, data validation qualifiers (i.e., "UJ[IS]") were applied to the applicable SVOC analytical results (i.e., nitrobenzene, isophorone, 2-nitrophenol, 2,4-dimethylphenol, bis(2-chloroethoxy)methane, 2,4-dichlorophenol, 1,2,4-trichlorobenzene, naphthalene, 4-chloraniline, hexachlorobutadiene, 4-chloro-3-methylphenol, 2-methylnaphthalene, pyrene, butylbenzyl phthalate, 3,3'-dichlorobenzidine, benzo(a)anthracene, bis(2-ethylhexyl)phthalate, di-n-octyl phthalate, benzo(k)fluoranthene, indeno(1,2,3-c,d)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene) to indicate that these values should be considered estimated.

Internal standard area criteria were not met for perylene- d_{12} in SB1A-2-1MSD. No data validation qualifiers were applied to the matrix spike duplicate sample.

System Performance Compound Summaries (Surrogate Recoveries) - Six compounds (i.e., nitrobenzene-d₅, 2-fluorobiphenyl, terphenyl, phenol-d₅, 2-fluorophenol, and 2,4,6-tribromo-phenol) were added to each sample to be analyzed using SW 8270 immediately before extraction. The control limits for surrogate recoveries in soil and water samples were described in EPA Method 8270. Eight compounds (i.e., phenol-d₅, 2-fluorophenol, 2,4,6-tribromophenol, nitrobenzene-d₅, 2-fluorobiphenyl, 2-chlorophenol, 1,2-dichlorobenzened₄, and terphenyl) were added to each sample to be analyzed using the CLP SOW prior to extraction. The control limits for surrogate recoveries in soil and water samples and the March 1990 CLP SOW. All surrogate recoveries were within the control limits, except nitrobenzene-ds (34 percent), 2-fluorobiphenyl (40 percent), terphenyl (28 percent), phenol-d5 (8 percent), and 2-fluorophenol (11 percent) in P-2 and nitrobenzene-d₅ (0 percent), 2-fluorophenyl (0 percent), phenol-d5 (0 percent), 2-fluorophenol (0 percent), 2-chlorophenol (0 percent), and 1,2-dichlorophenol-d₄ (0 percent) in SB1-2-5R. In addition, all surrogate recoveries were less than the lower control limits in the associated method blanks (i.e., MB214B and SBLK6) surrogate recoveries were outside the applicable control limits in GW1-1 (i.e., 2-fluorobiphenyl [15 percent], terphenyl [19 percent], and 2,4,6-tribromophenol [0 percent]); GW1-1RE (i.e., 2-fluorobiphenyl [15 percent], terphenyl [20 percent], and 2,4,6-tribromophenol [0 percent]); and SB1-2-5 (i.e., nitrobenzene-d₅ [16 percent], 2-fluorophenol [9 percent], and 1,2-dichlorophenol-d₄ [11 percent]. As a result, all P-2, SB1-2-5R, GW1-1, GW1-1RE and SB1-2-5 analytical results were rejected (i.e., "R[SSR]") and will not be included in the SI decision making process.

Surrogate recoveries did not meet the applicable control limits in SB2-01-01 (i.e., nitrobenzene-d₅ [134 percent] and 2-fluorobiphenyl [15 percent]) and SB1A-3-4R (nitrobenzene-d₅ [20 percent], 2-fluorophenol [12 percent], and 1,2-dichlorophenol-d₄ [13 percent]). Therefore, all SB2-01-01 and SB1A-3-4R analytical results have been estimated (i.e., "UJ[SSR]" for undetected compounds and "J[SSR]" for detected compounds) to indicate that the surrogate recoveries were outside the appropriate limits. Also, surrogate recoveries were outside the control limits in EW-05 (i.e., 2-fluorobiphenyl [33 percent]), FB-03 (i.e., 2-fluorobiphenyl [41 percent]), SB1-04-04 (i.e., 2,4,6-tribromophenol [10 percent]), MW1-01 (i.e., nitrobenzene-d₅ [118 percent]) collected in 1991, MW2-01R (i.e., terphenyl [23 percent]), and P-8 (i.e., 21 percent]) collected in 1991. No data validation qualifiers were applied to these environmental

samples, since the applicable surrogate recoveries values were greater than 10 percent and involved only a single system performance compound. Tables F-10 and F-11 summarize the surrogate recovery results for groundwater and soil samples.

Method Blank Results — One method blank analysis was conducted for each batch of water and soil samples received. Each method blank was evaluated for interferents that might potentially interfere with accurate quantitation of a target compound. According to CLP method blank criteria, a laboratory blank may not contain phthalate esters in concentrations five times greater than the CRQL or any other target compound in concentrations greater than the CRQL. Based on an evaluation of all method blanks analyzed for SVOCs using the March 1990 CLP SOW, no interferents were detected, except butyl benzyl phthalate (18 and 10 μ g/L) in the method blanks analyzed on August 24 and 26, 1991 (i.e., SBLK2 and SBLK5 respectively). This compound was not detected in the associated environmental samples; therefore, data validation qualifiers were not applied.

Blank Spike Recoveries — The surrogate recovery results of each method blank analyzed were evaluated as a method blank spike, as required by DOE/HWP-65/R1. Surrogate recovery control limits were described in the SOW prepared for the Indiana ANGB SI and the March 1990 CLP SOW. Based on an evaluation of all method blank spike analyses, the percent recoveries of all spike compounds were within acceptable limits, except nitrobenzene-d₅ (0 percent), 2-fluorobiphenyl (0 percent), phenol-d₆ (0 percent), 2-fluorophenol (0 percent), 2-chlorophenol-d₄ (0 percent), and 1,2-dichlorobenzene-d₄ (0 percent) in SBLK6. No data validation qualifiers have been applied to the environmental samples (i.e., SB1-2-5R) associated with SBLK6, since the analytical results in SB1-2-5R were rejected due to surrogate recovery values less than 10 percent. Also, surrogate recoveries were outside the control limits for MB181 (i.e., 2-fluorophenol [8 percent]) and for MB253R (i.e., 2-fluorobiphenyl [42 percent]). No data validation qualifiers have been applied to the associated environmental samples, since those surrogate recoveries were within the applicable limits.

TABLE F-10. SVOC SURROGATE RECOVERY QC SUMMARY: GROUNDWATER INDIANA ANGB FORT WAYNE, INDIANA

PARAMETER	TOTAL NUMBER ANALYSES•	PERCENT RECOVERY RANGES	PERCENT RECOVERY NUMBER CONTROL LIMITS WITHIN CONTROL	NUMBER WITHIN CONTROL LIMITS	NUMBER OUTSIDE CONTROL LIMITS
NITROBENZENE-d5	37	(21-118)	(35-114)	\$	3
2-FLUROBIPHENYL	37	(15-108)	(43–116)	**	М
TERPHENYL-d14	37	(19–131)	(33–141)	33	s
PHENOL-d5	37	(1–84)	(10-110)	35	7
2-FLUOROPHENOL	37	(2–99)	(21–100)	*	т
24,6-TRIBROMOPHENOL	37	(2–108)	(10–123)	*	ю
2-CHLOROPHENOL-44	18	(61–86)	(33-110)	18	0
1,2-DICHLOROBENZENE-d4	18	(39–92)	(16–110)	18	0

• GROUNDWATER, MATRIX SPIKE, MATRIX SPIKE DUPLICATE, METHOD BLANKS,TRIP BLANKS, FIELD BLANKS, EQUIPMENT BLANKS.

TABLE F-11. SVOC SURROGATE RECOVERY QC SUMMARY: SOIL/SEDIMENT INDIANA INDIANA ANGB FORT WAYNE, INDIANA

* * * * * * * *	NUMBER RECOVERY ANALYSES RANGES	CONTROL LIMITS WITHIN CONTROL	NUMBER WITHIN CONTROL LIMITS	WITHIN OUTSIDE CONTROL LIMITS
300. 200. 201. 35		(23–120)	82	v s
85 BY 85 BY 47		(30–115)	980	ю
85 ENOL 85		(18–137)	85	0
BOOL 85 44 47		(24–113)	8	2
85		(25–121)	81	4
47		(19–122)	83	8
•	47 (0–78)	(20-130)	83	2
	47 (11-77)	(20-130)	81	4

• SOIL/SEDIMENT, MATRIX SPIKE, MATRIX SPIKE DUPLICATE, METHOD BLANKS.

Matrix Spike/Matrix Spike Duplicate Results — MS/MSD analyses were conducted to assess the accuracy and precision of the laboratory and to evaluate the matrix effect of the sample upon the analytical methodology based upon the percent recovery of each compound. Accuracy was expressed as the percent recovery of the spike compounds. Precision was expressed as the RPD of the concentrations of the spike compounds in the MS/MSD samples. The control limits for percent recoveries in soil and water samples were described in EPA Method 8270 and the March 1990 CLP SOW. No action was taken based on percent recovery; however, MS/MSDs were evaluated to verify that 1 MS/MSD analysis was conducted for each 20 environmental samples received by the laboratory (excluding dilutions and reanalyses conducted), that these analyses were conducted on environmental samples only, and that the recovery and difference results did not indicate systematic laboratory control problems.

Four MS/MSD analyses (i.e., SB1-02-16, SB1-04-04, SB1-2-7, and SB1A-2-1) were conducted using soil samples collected during the Indiana ANGB SI. All percent recovery values were within the control limits, except for pentachlorophenol (0 percent) in SB1-04-04, 2,4-dinitrotoluene (89 percent) in SB1-2-7, and 4-nitrophenol (4 percent) in SB1A-2-1. All precision values were within the control limits, except phenol (36 percent), 1,4-dichlorobenzene (46 percent), N-nitroso-di-n-propylamine (45 percent), 1,2,4-trichloro-benzene (41 percent), and acenaphthene (31 percent) in SB1-2-7 and phenol (38 percent), 1,4-dichlorobenzene (37), N-nitroso-di-n-propylamine (44 percent), 1,2,4-trichlorobenzene (39 percent), 4-chloro-3-methyl phenol (39 percent), acenaphthene (37 percent), 4-nitrophenol (157 percent), and pyrene (57 percent) in SB1A-2-1. As a result, data validation qualifiers have been applied to pyrene (i.e., "620J[MSD]") in SB1A-2-1 due to the RPD value described above.

Two soil samples (i.e., SB1A-1-2 and SB1A-1-3), originally extracted on November 8, 1991, were spiked with matrix spike compounds by mistake. These samples were re-extracted on December 19, 1991, which was outside of holding time. Since accuracy and precision frequency criteria had been satisfied, these analytical results were not included in this review.

One MS/MSD analysis (i.e., MW1-02) was conducted using a groundwater sample collected during the Indiana ANGB SI. All percent recovery and differences values were within

the control limits, except 4-chloro-3-methyl phenol (103 and 106 percent recoveries), 2,4-dinitro-toluene (104 and 113 percent recoveries), and pentachlorophenol (122 and 126 percent recoveries). Tables F-12 and F-13 summarizes the MS/MSD results for groundwater and soil samples.

Significant Qualified Sample Results -- Data validation qualifiers (i.e., "UJ[EHT]" for undetected compounds and "J[EHT]" for detected compounds) have been applied to SB3-1-1 and to EW-05, MW4-02, SB1A-1-2 collected in 1991, SB1A-1-3, and SB1-2-5R collected in 1991 (i.e., "R[EHT] for undetected compounds and "J[EHT]" for detected compounds) to indicate that these sample were extracted outside the appropriate method holding time. Data validation qualifiers (i.e., UJ[IS]) have been applied to nitrobenzene, isophorone, 2-nitrophenol, 2,4-dimethylphenol, bis(2-chloroethoxy)methane, 2,4-dichlorophenol, 1,2,4-trichlorobenzene, naphthalene, 4-chloroaniline, hexachlorobutadiene, 4-chloro-3-methylphenol, 2-methylnaphthalene, pyrene, butylbenzyl phthalate, 3,3'-dichlorobenzidine, benzo(a)anthracene, bis(2-ethylhexyl)phthalate, di-n-octyl phthalate, benzo-(k)fluoranthene, indeno(1,2,3-c,d)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i,)perylene in SB2-01-01 to indicate that the applicable IS areas was outside the appropriate limits. Data validation qualifiers (i.e., "R[SSR]") have been added to P-2, SB1-2-5R, GW1-1, GW1-1RE, and SB1-2-5 and to SB2-01-01 and SB1A-3-4R (i.e., 'UJ[SSR]" for undetected compounds and "J[SSR]" for detected compounds) to indicate that the surrogate recoveries were outside the applicable control limits. Data validation qualifiers have been applied to pyrene (i.e., "J[MSD]") in SB1A-2-1 due to MS/MSD results. These qualifiers are applied to all data presented in the data summary tables within the SI report text and in the comprehensive data presentation tables in Appendix E.

F.3.1.4 Pesticide/PCB Analysis (EPA Method 3510/3550/8080)

Thirteen samples (i.e., 2 groundwater samples, 7 soil samples and 4 field QC blank samples) were collected and submitted to the NET Laboratory using EPA Method 8080 for water samples and soil samples. Data quality was evaluated using the guidelines and control limits specified for holding times, initial and continuing calibration verification, method blank spikes, method blanks, surrogate recoveries, MS/MSDs, and endrin/dieldrin breakdown described in the

TABLE P-12. SVOC MSMASD OC SUMMARY: GROUNDWATER INDIANA ANGB FORT WAYNE, INDIANA

		ACCURACY						PRECISION	NOR	
PARAMETER	MS/MSD TOTAL No. ANAL YSES	PERCENT RECOVERY RANGES	%R CONTROL LIMITS	NUMBER WITHIN CONTROLLIMITS	NUMBER OUTSDE CONTROL LIMITS	MSD TOTAL No. ANALYSES	RPD	RPD LDATT	NUMBER NUMBER WITHEN OUTSEDE CONTROL LIMITS CONTROL LIMITS	NUMBER OUTSIDE CONTROL LIMITS
Phenol	77	(27-07)	(12–110)	2	0	-1	,	43	-	o
2Chlorophenol	8	(21-01)	(27–123)	7	۰		51	ş	***	0
1,4-Dichlorobenzene	8	(93-56)	(36–97)	7	6	-	•	8	-	0
N-Nitroso-di-n-propylamine	7	(26-06)	(41-116)	8	0	-	7	38		0
1,2,4-Trichlorobenzene	7	(96-96)	(36-66)	77	0		=	28	-	0
4-Chloro-3-methylphenol	7	(103–106)	(23-97)	•	7	-	•	4	-	0
Acensphihene	7	(99–100)	(46–118)	7	•	_	•	75	-	•
4-Nitrophenol	8	(02-20)	(10-90)	8	۰	_	,	8	-	•
2,4-Dinitrotoluene	8	(104–113)	(24–96)	•	2		•	88	-	0
Pentachlorophenol	"	(122-126)	(9–103)	•	7	-	n	8		٥
Pyrene	7	(93-26)	(26–127)	7	۰		•	ន	•	•

MATRIX SPIKE AND MATRIX SPIKE DUPLCATE ANALYSES PERFORMED ON SAMPLES MW1-02.

		ACCURACY						PRECISION	NOIS	
PARAMETER	MS/MSD TOTAL No. ANALYSES	FERCENT RECOVERY RANGES	%R CONTROL LIMITS	NUMBER WITHIN CONTROL LIMITS	NUMBER OUTSIDE CONTROL LIMITS	MSD TOTAL No. ANALYSES	RPD	RPD	NUMBER WITHIN CONTROLLIMITS	NUMBER OUTSIDE CONTROL LIMITS
Phenol	40	(43-66)	(26–90)	₩	0	•	[(-8)-38)]	35	7	7
2-Chlorophenol	•	(43-72)	(25-102)	•	•	₹	[(-4)-38)]	S	•	0
1,4 - Dichlorobenzene	•	(42-67)	(28–104)	•	•	•	[(-19)-46]	23	7	7
N-Nitroso-di-a-propylamine	**	(47-89)	(41-126)	•	•	•	(4-45)	*	7	7
1,2,4-Trichlorobenzene	•	(44-83)	(38~107)	•	•	•	[(-10)-41)]	ន	7	7
4-Chloro-3-methyphenol	••	(52-93)	(26–103)	•	0	₹	[(-12)-37)]	22	•	-
Acemphibere	•••	(30-81)	(31-137)	•	•	•	(0-157)	61	8	7
4-Nitrophenol	**	(4-67)	(11-114)	7		•	[(-2)-32)]	S	•	0
2,4-Dinitrotoivene	•	(21-90)	(28-89)	7	-	•	(0-43)	41	•	0
Pentachlorophenol	•	(0-38)	(17–109)	٠	8	•	[(-34)-57)]	4	•	-
Pyrene	40	(42-121)	(35-142)	٠	٥	•	[(-2)-29)]	*	4	0

MATRIX SPIKE ANDMATRIX SPIKE DUPLCATE ANALYSES PERFORMED ON SAMPLES; SBI –02–16, SBI –04–04, SBI –2–7, AND SBI A–2–1.

documents listed in Section F.1.3. The pesticide/PCB data validation worksheets are presented in Tables F-14.

Holding Times—Holding times were defined as the maximum amount of time allowed to elapse between the date and time of sample collection and the date and time of sample extraction and analysis. Extraction holding times were defined further as the maximum amount of time allowed to elapse between the date and time of sample collection and the date and time the sample is concentrated to the final injection volume, excluding any extract cleanup techniques.

The NET Laboratory was required by the SOW prepared for this SI to meet extraction holding times of 7 days for groundwater samples and 14 days for soil samples collected for organochlorine pesticide/PCB analysis. A maximum analysis holding time of 40 days was specified for water and soil extracts. Based on an evaluation of all environmental samples and field QC blanks extracted and analyzed for organochlorine pesticides/PCBs using EPA Method 8080, all holding time criteria were met, except SB-B-01 (3 days), SB-B-02 (3 days), SB2-01-01 (2 days), SB2-01-19 (2 days), SB2-02-01 (1 day), SB-03-01 (1 day), and SB2-04-01 (1 day). These holding times are considered to have no adverse impact on the associated environmental sample data quality; therefore, no data validation qualifiers have been applied.

Initial Calibration Results -- Initial calibration verification analyses conducted for soil and water samples were evaluated using 10 percent (i.e., aldrin, endrin, 4,4'-DDT, and dibutyl chlorendate [DBC]) control limits for RSD between standard areas. Two initial column (i.e., DB-5 and DB5-30W) Initial Calibration Verification (ICV) analyses were conducted for the soil and water samples collected at the Indiana ANGB. All RSD values were greater than 10 percent (i.e., aldrin, endrin, 4,4'-DDT, and DBC) in the initial calibration associated with soil and water samples. No data validation qualifiers were applied, since no organochloride pesticide/PCBs were detected in the associated samples. Organochlorine pesticides and PCBs were not detected in these samples, and as a result, the initial calibration results from the confirmation column (i.e., DB-1701) were not included in this review.

				Tabl	Table F-14a. Data Validation Tables: Pesticides/PCBs	Pesticides/PCBs			
SAIC Sample Number	Laboratory Identification Number	Date Collected	Date Extracted	Date Analyzed	Pesticide/PCBs Surrgate Recovery	TCMX Surrogate Control Limits	DBC Surrogate Control Limits	Method Blank Spile Analysis	Pesticide/PCBs MS/MSD Analyzes
WATERS MB180 FB-01 FB-02	MB180 90021708 90021709	NA 8/28/90 8/28/90	8/31/90 8/31/90 8/31/90	0/12/90 9/15/90 0/12/90	ALL SURROGATES WITHIN CONTROL LIMITS EXCEPT [PB-02] DBC=120% (117%)	56-96 56-96 59-113	29-117 29-117 29-117	g-BHC %R=130; ALDRIN %R=0; ALL OTHERS WITHIN CONTROL LIMITS	FIELD OC NO MSMSD REQUIRED
WATERS MB187 EW-04	MB187 90022314	NA 8/30/90	06/90/6 06/90/6	06/21/6	ALL SURROGATES WITHIN CONTROL LIMITS.	35 - 35 36 - 36	29-117 29-117	ALDRIN %R=0, ALL OTHERS WITHIN CONTROL LIMITS	PIELD QC NO MS/MSD REQUIRED
WATERS MB201A PB-03	MB201A 90023606	NA 9/11/90	9/17/90 9/17/90	06/62/6 06/62/6	ALL SURROGATES WITHIN CONTROL LIMITS EXCEPT [MB2014] TCMX = 56% (59%).	59-113 59-113	48 - 130 34 - 133	4,4'-DDT %R=220; ALL OTHERS WITHINCONTROL LIMITS	PIELD OC NO MSMSD REQUIRED
WATERS MB215 MW2-01 HT-01 MW2-01 MS	MB215 90024902 90025106 90024902 MS	NA 9/14/90 9/16/90 9/14/90	06/02/6 06/02/6 06/02/6	06/62/6 06/62/6 06/62/6	ALL SURROGATES WITHIN CONTROL LIMITS BECEPT MEZIS TUMX=0% (9%) MW2-011 TUMX=3% (59%) MW2-011 TUMX=31% (59%) MW2-011 DEC=0% (48%) MW2-011 DEC=2% (48%)	59-116 59-113 59-113 59-113	48 - 130 34 - 133 34 - 133 34 - 133	• THERE WAS NO RECOVERY OF ANY OF THE SPIKE COMPOUNDS FOR MBS215	4.4' – DDT MS %R=5; ALL OTHER MS %R VALUES WITHIN CONTROL LIMITS; MSD DATA NOT PROVIDED; %RPD DATA NOT FROVIDED
SOILS MB178 SB-B-01 SB-B-02 SB2-01-01 SB2-01-19 SB2-02-01 SB2-03-01 SB2-03-01 SB2-03-01 SB2-03-01	MB178 90021706 90021707 90021804 90022901 90022302 90022303 90022302 MSD	8728/90 8728/90 8728/90 8728/90 8730/90 8730/90 8730/90 8730/90	06/179/9 06/179/9 06/179/9 06/179/9 06/179/9 06/179/9 06/179/9 06/179/9 06/179/9 06/179/9	9/15/90 9/15/90 9/15/90 9/15/90 9/17/90 9/17/90 9/17/90	ALL SURROGATES WITHIN CONTROL LIMITS EXCEPT [MBIR] ICMX = 47% (51%) SB2-01-01 TCMX = 41% (51%) SB2-01-01 TCMX = 49% (51%) SB2-01-01 TCMX = 50% (51%) SB2-01-01 DBC = 191% (139%) MW2-01MS DBC = 20% (59%) SB2-01-19 DBC = 166% (139%) SB2-01-19 DBC = 166% (139%)	51-119 51-119 51-119 51-119 51-119 51-119 51-119	43-117 43-117 50-139 50-139 50-139 50-139 50-139 50-139	MBS178 WTHIN CONTROL LIMITS	ALL RECOVRRES WITHIN CONTROL LIMITS ALL DIFFERENCES WITHIN CONTROL LIMITS, EXCEPT DIELDRIN=40%.

SAIC Semple	Laboratory Identification	rcBs	Initial	Continuing
Number WATTERS MB180 FB-01 FB-02	Number MB180 90021708 90021709	Analysis NO INTERFERENCE DETECTED	Calibration INST ID: HP5890 INTTAL COLUMN DB-5: RSDs>10% FOR ALDRIN ENDRIN 4,4"-DDT AND DBC.	Calibration INST ID: HP5890 INITAL COLUMN DB-5 Ds<15%.
WATERS MB187 EW – 04	MB187 90022314	NO INTERFERENCE DETECTED	INST ID: HP5890 INITIAL COLUMN DB-5; RSDs>10% FOR ALDRIN, ENDRIN 4,4"-DDT AND DBC.	INST ID: HP5890 INTIAL COLUMN DB-5 Ds<15%.
WATERS MB201A FB-03	MB201A 90023606	NO INTERPERENCE DETECTED	INST ID: HP5890 INITIAL COLUMN DBS-30W: RSDs>10% FOR ALDRIN ENDRIN 44"-DDT AND DBC.	INST ID: HP3990 INTIAL COLUMN DBS-30W Ds<15% EXCEPT 4,4' – DDT D=100%.
WATERS MB15 MW2-01 HT-01 MW2-01 MS	MB215 90024902 90024106 90024902 MS	NO INTERPERENCE DETECTED	INST ID: HP5800 INTTAL COLUMN DBS-30W: RSDs>10% FOR ALDRIN ENDRIN 4.4"-DDT AND DBC.	INST ID: HP5990 INTIAL COLUMN DBS-30W Ds<15% EXCEPT 44"- DDT D=100%.
SOILS MB178 SB-B-01 SB-01-01 SB2-01-19 SB2-02-01 SB2-03-01 SB2-03-01 SB2-03-01 SB2-03-01 SB2-03-01 MS	MB178 90021706 90021707 90021804 90022301 90022302 90022302 MSD	NO INTERPERENCE DETECTED	INST ID: HP5890 INTTAL COLUMN DB-5: RSDs>10% FOR ALDRIN ENDRIN 4,4" – DDT AND DBC.	INST ID: HP8890 INTAL COLUMN DB-5 Da<15%.

	Table F-14a. Data Validation Tables: Pesticides/PCBs (Continued)	able F-14a. Di	ata Validation T	fables: Pesticides/P	CBs (Continued)
SAIC Sample Number	Laboratory Identification Number	Field Blank Analysis	Equipment Blank Analysis	Significant Sample Results	Data Oualifiers
WATERS MB180 FB-01	MB180 90021708	Y Z	A K X	None Detected None Detected	None Applied
20 44 44	60/17006	V	Š	Noile Detected	
WATERS MB187	MB187	¥:	¥:	None Detected	
FW04	90022314	∢ Z	Ç Z	None Detected	None Applied
WATERS MB201A EB_03	MB201A	¥ ž	Y X	None Detected	None & soulist
3		•	Į.		
WATERS MB215 MW2-01	MB215	NA FR	NA PW	None Detected	All Commoninde percent 4 4'DDT-111/SSD \M 4'-DDT-BVMS\
MW2-01 MW2-01 MS	9025106 90025106 90024902 MS	NA NA FB-03	NA EW O	None Detected Not Applicable	None Applied None Applied
					-
SOILS MB178	MB178	Y Y	NA AN	None Detected	
SB-8-01	90021706	139 CS	EW-OA	None Detected	None Applied
SR2-01-01	90021707	FB-02		None Detected	None Applied All Compounds = LU(SSR)
SR2-01-19	90021806	FB-02	EW-04	None Detected	All Compounds = UI(SSR)
SH2-02-01	10022301	FB-02	EW-OA	None Detected	None Applied
SH2-03-01	90022302	FB -02	EW LO	None Detected	None Applied All Communds=11(SSR)
SR2-03-01 MS	90022302 MS	FB-02	EW-04	Not Applicable	None Applied
SB2-03-01 MSD	90022302 MSD	FB-02	EW-04	Not Applicable	None Applied

Footnotes to Table F-14a.

** - For this Method Blank Spike, the laboratory noted that the lack of any percent recovery (%R) was possibly due to improper spiking or failure to spike the sample.

(*) — The recovery for this compound was 0 and, therefore, resulted in a percent difference (%D) of 100%. This suggests that the compound was not added to the calibration standard.

NA - Not Applicable

Control limits for Soil Pesticide/PCB Method Blank Spike Analysis

Gamma-BHC (Lindane): 46-127

Heptachlor: 35-130

Aldrin: 34-132 Dieldrin: 31-134

Endrin: 42-139

4,4'-DDT: 23-134 Control limits for Water Pesticide/PCB Method Blank Spike Analysis

Gamma-BHC (Lindane): 25-121

Heptachlor: 25-127

Aldrin: 32–128 Dieldrin: 23–137

Dieldrin: 25–137 Endrin: 26–140

4,4'-DDT: 30-132

Control limits for Soil Pesticide/PCB MS/MSD Analysis

Gamma-BHC (Lindane): 46-127

Heptachlor: 35-130

Aldrin: 34-132 Dieldrin: 31-134

Dieldrin: 31–134 Endrin: 42–139 4,4'-DDT: 23-134

Control limits for Water Pesticide/PCB MS/MSD Analysis

Gamma-BHC (Lindane): 25-121

Heptachlor: 25-127 Aldrin: 32-128

Dieldrin: 23-137 Endrin: 26-140

4,4'-DDT: 30-132

Control limits for Initial and Continuing Calibration:

Initial: %RSD < 10% Continuing: %D < 15% Continuing Calibration Results -- CCV analyses conducted for soil and water samples were evaluated using a 15 percent control limit for percent difference between initial and continuing standard areas. Two initial column (i.e., DB-5 and DB5-30W) CCV analyses were conducted for the water and soil samples collected during the Indiana ANGB SI. All percent difference values were less than 15 percent in the continuing calibrations analysis, except for 4,4'-DDT (i.e., 100 percent) in the CCV analysis conducted on September 29, 1991. No organochloride pesticides/PCBs were detected in the associated water and soil samples, therefore the impact of this calibration result is minimal, and as a result, no data validation qualifiers were applied. Since organochloride pesticide/PCBs were not detected in the associated water and soil samples, the continuing calibration results from the confirmation column (i.e., DB-1701) were not included in this review.

Blank Spike Recoveries -- Dibutylchloroendate (DBC) and 2,4,5,6-tetrachloro-metaxylene (TCMX) were used as spiking compounds in the method blank spike for the pesticide/PCB analysis. One blank spike was conducted for each batch of samples analyzed for pesticides/PCBs. The recovery of each spike compound was evaluated according to the control limit used for surrogate recoveries. Based on an evaluation of all method blank spike analyses, the percent recoveries of all spike compounds were within acceptable limits, (59 to 139 and 50 to 150 percent, respectively) except TCMX in MB201A (i.e., 56 percent), MB215 (i.e., 0 percent), and MB178 (i.e., 47 percent). Data validation qualifiers were not applied, since the DBC recovery results were within the advisory limits.

Surrogate Recoveries -- DBC and TCMX were added to each sample collected during the Indiana ANGB SI and extracted and analyzed for pesticide/PCBs. All DBC and TCMX recoveries were within the advisory limits established by EPA Method 8080 in all samples, except MW2-01 (i.e., 24 and 38 percent respectively), SB2-01-01 (i.e., 191 and 41 percent, respectively), SB-01-19 (i.e., 166 and 49 percent, respectively), and SB2-04-01 (i.e., 167 and 50 percent, respectively). Based on an evaluation of the surrogate recoveries, all analytical results in SB2-01-01, SB2-01-19, and SB2-04-01 and all analytical results except 4,4'-DDT in MW2-01 were estimated (i.e., "UJ[SSR]") to indicate that the applicable surrogate recoveries were outside the applicable limits. Also, DBC recovery was greater than the upper control limit

in FB-02 (i.e., 120 percent). These data were not qualified, since the TCMX recovery was within the advisory limits. Tables F-15 and F-16 summarizes the surrogate recovery results for groundwater and soil samples.

Method Blank Results — One method blank analysis was conducted with each batch of environmental samples collected for pesticide/PCB analysis. Each method blank was evaluated for interferents that might potentially interfere with accurate quantitation of a target compound. Based on an evaluation of all method blanks analyzed for pesticides/PCBs using EPA Method 8080, no interferents were detected.

Matrix Spike/Matrix Spike Duplicate Results — MS/MSD analyses were conducted to assess the accuracy and precision of the laboratory and to evaluate the matrix effect of the sample upon the analytical methodology based upon the percent recovery of each compound. Accuracy was expressed as the percent recovery of the spike compounds. Precision was expressed as the RPD of the concentrations of the spike compounds in the MS/MSD samples. One MS/MSD analysis was required for each set of 20 samples of similar matrix, excluding dilutions and re-analyses conducted. One MS analysis was conducted using the groundwater sample (i.e., MW2-01) collected during the Indiana ANGB SI. All percent recoveries were within the control limits, except 4,4'-DDT (i.e., 5 percent). As a result, 4,4'-DDT in MW2-01 was rejected (i.e., "R[MS]") to indicate that the matrix spike recovery was less than 10 percent. One MS/MSD analysis was conducted using the soil sample (i.e., SB2-03-01). All recoveries values were within the control limits. All RPD values were within the appropriate control limits, except dieldrin (40 percent); however, the associated data were not qualified based on this RPD value. Tables F-17 and F-18 summarizes the MS/MSD recovery and differences results for groundwater and soil samples.

4,4'-DDT/Endrin Breakdown Results — Endrin (i.e., endrin ketone and endrin aldehyde) and 4,4'-DDT (i.e., 4,4'-DDD and 4,4'-DDE) breakdown is evaluated using one mid-level calibration standard to determine whether the endrin ketone, endrin aldehyde, 4,4'-DDD, or 4,4'-DDE detected in any sample is representative of the environmental condition at the Indiana ANGB or is the result of poor instrument performance (e.g., contaminated GC column or

TABLE F-15. PESTICIDE/PCB SURROGATE RECOVERY QC SUMMARY: GROUNDWATER INDIANA ANGB FORT WAYNE, INDIANA

PARAMETER	TOTAL NUMBER ANALYSES*	PERCENT RECOVERY RANGES	PERCENT RECOVERY CONTROL LIMITS	NUMBER WITHIN CONTROL LIMITS	NUMBER OUTSIDE CONTROL LIMITS
TETRACHLORO-M-XYLENE	11	(20-67)	(59–113)	7	7
DIBUTYLCHLORENDATE	11	(0-150)	(48-130)	7	4

WATER SAMPLE, METHOD BLANK, FIELD BLANK, EQUIPMENT BLANK, AND MATRIX SPIKE.

TABLE F-16. PESTICIDE/PCB SURROGATE RECOVERY QC SUMMARY: SOIL/SEDIMENT INDIANA ANGB FORT WAYNE, INDIANA

PARAMETER	TOTAL NUMBER ANALYSES*	PERCENT RECOVERY RANGES	PERCENT RECOVERY CONTROL LIMITS	NUMBER WITHIN CONTROL LIMITS	NUMBER OUTSIDE CONTROL LIMITS
TETRACHLORO-M-XYLENE	10	(47–166)	(51–119)	9	4
DIBUTYLCHLORENDATE	10	(49–191)	(43–117)	9	4

* SOIL SAMPLE, METHOD BLANK, MATRIX SPIKE, AND MATRIX SPIKE DUPLICATE.

TABLE F-17. PESTICIDE/PCB MS/MSD QC SUMMARY: GROUNDWATER INDIANA ANBG FORT WAYNE, INDIANA

								_
	NUMBER OUTSIDE CONTROL LIMITS							
	NUMBER WITHIN CONTROL LIMITS							
PRECISION	RPD LIMITS					•		
	RANGE							
	MSD TOTAL No. ANALYSES	NOT	PERFORMED	PERFORMED NOT	PERFORMED	PERFORMED	PERFORMED NOT PERFORMED	
	NUMBER OUTSIDE CONTROL LIMITS	0	0	0	0	ပ	1	
	NUMBER NUMBER OUTSIDE CONTROL LIMITS	1	1		**	-	0	
ACCURACY	%R CONTROL LIMITS	(25-121)	(25–127)	(32–128)	(23–137)	(26–140)	(30-132)	
	PERCENT RECOVERY RANGES	30%	33%	33%	34%	34%	2%	
	MS/MSD TOTAL No. ANALYSES	1	_	,		-	=	
	PARAMETER	LINDANE	HEPTACHLOR	ALDRIN	DIELDRIN	ENDRIN	4,4' DDT	

MATRIX SPIKE ON SAMPLES MW2-01.

TABLE F-18, PESTICIDE/PCB MS/MSD QC SUMMARY; SOIL/SEDIMENT INDIANA ANGB FORT WAYNE, INDIANA

MATRIX SPIKE AND MATRIX SPIKE DUPLICATE PERFORMED ON SAMPLES SB2-03-01.

injection port). No breakdown calculations were conducted; however, neither 4,4'-DDT, endrin, or their breakdown products were detected. As a result, no data validation qualifiers were applied.

Significant Qualified Sample Results -- Data validation qualifiers (i.e., "UJ[SSR]") have been applied MW2-01, SB2-01-01, SB2-01-19, and SB2-04-01 to indicate that the surrogate recoveries were outside the control limits. Data validation qualifiers (i.e., "R[MS]") have been applied to 4,4'-DDT in MW2-01 to indicate that the matrix spike recovery was less than 10 percent.

F.3.2 Inorganic Analyses

Seventy eight soil samples, 4 sediment samples, 15 groundwater samples, and 15 field QC blanks (i.e., field blanks and equipment blanks) were collected during the Indiana ANGB SI were submitted to the NET Laboratory for priority pollutant metals, which included total lead only, analyses using EPA solid waste test methods. A data quality assessment is presented in the following subsections.

F.3.2.1 Priority Pollutant Metals, including Total Lead Only

Seventy eight soil samples, 4 sediment samples, 15 groundwater samples, and 15 field QC blanks (i.e., equipment blanks and field blanks) were collected and analyzed using the EPA document *Test Methods For Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition. Soil and groundwater samples collected for total lead (i.e., SW 3020/7421 and 3050/7421, respectively) analyses were analyzed using graphite furnace atomic absorption (GFAA). All environmental and field QC samples collected for antimony (SW 3005/7421), arsenic (SW 3050/7060), lead (SW 3050/7421 and 3020/7421), selenium (SW 3050/7740), and thallium (SW 3050/7841 and 3020/7841) were analyzed using GFAA. Environmental samples collected for mercury (SW 7470 and SW 7471) analyses were analyzed using cold vapor generation and the remainder of the metals were analyzed using Inductively Coupled Argon Plasma (ICAP) spectroscopy (SW 3005/6010 and 3050/6010). Data quality will be evaluated using the guidelines and control limits specified for holding times, initial and continuing calibration verification, method blanks, interference check sample analysis, spiked sample

analysis, duplicate sample analysis, laboratory check sample analysis, and CRDL verification. A presentation of the significant qualified sample results follows the laboratory QC results discussion. The data validation worksheets are presented in Table F-19.

Holding Times - Holding times were defined as the maximum amount of time allowed to elapse between the date and time of sample collection and the date and time the sample was analyzed. The NET Laboratory was required to meet analysis holding times (for both soil and water samples) of 28 days for mercury and 6 months for all other priority pollutant metals. Based on an evaluation of all environmental samples and QC blanks analyzed, all holding time criteria were met, except for mercury in MW4-02, which was analyzed 27 days beyond the applicable holding time for water samples. As a result mercury in MW4-02 was rejected to indicate the exceeded holding time (i.e., "R[HT]"). Mercury in six water samples (i.e., P-8, EB2-1, FB2-1, MW2-01, MW2-01R, and MW1-01) and six soil samples (i.e., SB1A-1-5, SB1A-1-5R, SB1-2-5R, SB1-2-5R, SB1A-3-4, and SB1A-3-4R) were analyzed more than 14 days beyond the applicable holding times. The mercury results in these samples were qualified to indicate the exceeded holding times (i.e., all undetected values were presented in the comprehensive data presentation tables as "UJ[HT]").

Initial Calibration Verification — Calibration of the ICAP was established and validated by injecting a blank and at least one standard to establish an analytical curve. Calibration of the GFAA was established and validated by injecting a blank and at least three standards (one of which must be at the CRDL) to establish the analytical curve. Four standards were analyzed to establish the mercury calibration curve for that analysis. Following the initial calibration, percent recovery values were evaluated to verify the validity of the calibration. Priority pollutant metals calibration criteria requirements included 80 to 120 percent for mercury and 90 to 110 percent for all other elements, as specified by the DOE/HWP-65/R1. Based on an evaluation of the initial calibrations conducted, all percent recovery values were within control limits.

				Table F-1	9a. Data Validation	Table F-19a, Data Validation Tables: Priority Polluant Metak	9	
	Laboratory			CAL	CALIBRATION		BLANKS	
SAIC Sample Number	Number	Collection Dates	Analysis Dates	Initial Calibration	Continuing Calibration	Lottis) Blank	Continuing Blank	Procedumi Blank
SB-8-02	90021707	08/28/90	09/17-11/03/90	ALL INITIAL (4)	AND CONTINUING	4 ICBs APPLY	17 CCBs APPLY	I APPLICABLE PBW
SB1-01-11	90021702	08/27/12	09/17-11/03/90	CONTROLLIME	CONTROL LIMITS FOR ALL	DETECTED IN ANY OF THE	DETECTED IN ANY OF THE	NO CONTAMINANTS WERE
SB1-01-12	10/17006	08/27/12	09/17-11/03/90	MEIALS		INITIAL PLANKS, EXCEPT Sb(-1.3B)	Sb(1.3B), As(2.8B), Cd(4B AND 5B)	DETECTED IN THE PBW BLANKS GREATER THE CRDL
SB1-02-03	10812006	08/29/90	09/17-11/03/90				N(14B AND 15B), Za(11B)	
SB1-02-03R	90021802	08/23/90	09/17-11/03/90					
SB1-02-16	90021803	08/23/90	09/17-11/03/90					
SB1-03-02	90021703	08/28/90	09/17-11/03/90					
SB1-03-05	90021704	08/28/90	09/17-11/03/90					
SB1-03-18	90021705	08/28/90	09/17-11/03/90					
SB2-01-01	90021804	08/29/90	09/17-11/03/90					
SB2-01-19	90021806	06/67/80	09/17-11/03/90					
SB2-02-01	90022301	08/30/90	09/17-11/03/90					
SB2-03-01 9	90022302	08/30/90	09/17-11/03/90					***************************************
SB2-04-01 5	90022303	08/30/90	09/17-11/03/90					V V V V V V V V V V V V V V V V V V V
SB4-01-01	90022304	08/30/90	09/17-11/03/90					
SB40102	90022305	08/30/80	09/17-11/03/90					
SB4-01-02D S SB4-01-02S 9 SB4-02-01	9002305D 9002305S 9002306	08/34/90 08/34/90 08/34/90	09/17-11/03/90 09/17-11/03/90 09/17-11/03/90					
SB4-02-02	90022307	08/30/90	09/17-11/03/90					
SB4-03-01 9	90022308	08/30/80	09/17-11/03/90					
SB4-03-02	90022309	08/30/80	09/17-11/03/90					
SB-B-01 9	90021706	08/28/90	11/12-11/13/90	DITIAL(1) AND CALIBRATION (CONTROL LIMIT	INITIAL(1) AND CONTINUING CALIBRATION (5) WITHIN %R CONTROL LIMITS FOR ALL METALS.	I ICB APPLES NO CONTAMINANTS WERE DETECTED IN ANY OF THE INITIAL BLANKS, EXCEPT C4(3B)	SCCBA APPLY NO CONTAMINANTS WERE DETECTED IN ANY OF THE CONTINUING BLANKS EXCEPT Cd(3B) AND N(~ 13B). (~ 18B)	I APPLICABLE PBW NO CONTAMINANTS WERE DETECTED IN THE PBW BLANKS OREATER THE CRDL

		Table F	-19a. Data Validation	Table F-19a. Data Validation Tables: Priority Polluant Metals (Continued)	etals (Continued)	
	Laboratory	i)i	ICP/ICS	ACCURACY	PRECISION	Laboratory
SAIC Sample Number	ID Number	Initial	Final	Spile Sample	Duplicate Sample	Control Sample
SOIL:BATCH SB-B-02	1 90021707	ALL INTITAL ICP/ICS	ALL FINAL ICP/ICS	SB4-01-02	SB4-01-02	ALL PERCENT RECOVERIES
SB1-01-11	90021702	WITHINCONIKOL LIMITS (80–120%)	WITHINCONIKOL LIMITS (80–120%)	ALL PERCENT RECOVERY VALUES MITHINI PARTS	RPDs WERE LESS THAN	WITHIN CONTROL LIMITS (80-120%)
SB1-01-12	90021701			(75–125%), EXCEPT	3378.	
SB1-02-03	90021801			30(U) AND AS(131)		
SB1-02-03R	90021802					
SB1-02-16	90021803					
SB1-03-02	90021703					
SB1-03-05	90021704					
SB1-03-18	90021705					
SB2-01-01	90021804					
SB2-01-19	90021806					
SB2-02-01	90022301					
SB2-03-01	90022302					
SB2-04-01	90022303					
SB4-01-01	90022304					
SB4-01-02	90022303					
SB4-01-02D SB4-01-02S SB4-02-01	90022305D 90022305S 90022306					
SB4-02-02	90022307					
SB4-03-01	90022308					
SB4-03-02	90022309					
SB-B-01	90021706	INTIAL ICPICS %R WITHIN CONTROL LIMITS (80-120%)	FINAL ICP/ICS , %R WITHIN CONTROL LIMITS (80-120%)	,		ALL PERCENT RECOVERIES WITHIN CONTROL LIMITS (80-120%)

				Table F-19a	. Data Validati	be F-19a. Data Validation Tables: Priority Polluant Metals (Continued)	
Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Width Widt	SAIC Sample Number		Standard Addition Results	Field Hank Results	Equipment Hank Results	Significant Sample Results	Data Qualifers
Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack Pack	SOIL:BATCH SB-B-02		NA	FB-01, -02	EW-01	Be(2.5), Cd(0.49B), Cr(34), Cu(29.3),	Cd=0.494(MB,B)/Zn=71.93(FB)
90021201 PB—01, —02 EW—01 Be(1/3, Ce(1/3, Ce(1/4, c), Pe(1/2, r)) 90021201 PB—01, —02 EW—02 BP(1/3, Ce(1/3, Ce(1/3, Pe(1/2, r))) 90021202 PB—01, —02 EW—03 PE(1/3, Ce(1/3, Pe(1/2, r))) 90021203 PB—01, —02 EW—03 PE(1/3, Ce(1/3, Pe(1/3, r))) 90021203 PB—01, —02 EW—03 PE(1/3, Ce(1/3, Pe(1/3, r))) 90021203 PB—01, —02 EW—01 PB(1/3, Ce(1/3, Pe(1/3, r))) 90021203 PB—01, —02 EW—01 PB(1/3, Ce(1/3, Pe(1/3, r))) PE(1/3, Ce(1/3, Pe(1/3, r))) 90021203 PB—01, —02 EW—01 PB(1/3, Ce(1/3, Pe(1/3, r))) PE(1/3, Ce(1/3, Pe(1/3, r))) 90021204 PB—01, —02 EW—01 PB(1/3, Ce(1/3, Pe(1/3, r))) PE(1/3, Ce(1/3, r)) 90021205 PB—01, —02 EW—01 PB(1/3, Ce(1/3, r)) PE(1/3, Ce(1/3, r)) 90021206 PB—01, —02 EW—01 PB(1/3, Ce(1/3, r)) PE(1/3, r) 90021207 PB—01, —02 EW—03 PB(1/3, Ce(1/3, r)) PE(1/3, r) 90021207 PB—01, —02 EW—03 PE(1/3, r) <th< td=""><td>SB1-01-11</td><td>90021702</td><td></td><td>FB-01, -02</td><td>EW-01</td><td>Tal, (20.2), £24(11.3) Bel (1.3), Cd(0.212), Cf(11.1), Cu(29.2), Bel (1.3), Cd(0.212), Cf(11.3), Cu(29.2),</td><td>Cd=0221(MB,B)Ni=16.91(MB)/Zn=29.61(FB)</td></th<>	SB1-01-11	90021702		FB-01, -02	EW-01	Tal, (20.2), £24(11.3) Bel (1.3), Cd(0.212), Cf(11.1), Cu(29.2), Bel (1.3), Cd(0.212), Cf(11.3), Cu(29.2),	Cd=0221(MB,B)Ni=16.91(MB)/Zn=29.61(FB)
Part of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control	SBI-01-12	10212006		PB-01, -02	EW-01	Be(0.14), Cf.(7.9), Cu(24.6), Pb(7.0°),	Nane Applied
Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part	SB1-02-03	90021601		FB-01, -02	EW-03	14(1.1), 24(1.1), 14(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(1.1), 15(Cd=0241(MB,B)/Za=62.31(FB)
PB-01, -02 EW-03 PB-01, -02 EW-03 PG/03/10, Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13), Cr(13),	SB1-02-03R			FB-01, -02	EW-03	FOLTS, FINE CO. (21), FM(15.8°), NATION 12, NATION 12, NATION 12, NATION 12, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13, NATION 13,	Zn=49.21(FB)
PB-01, -02 EW - 01 PG-02, -03 PG-01, -04 PG-01, -04 PG-01, -04 PG-01, -04 PG-01, -04 PG-01, -04 PG-01, -04 PG-01, -05 PG-02, -04 PG-01, -04 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01, -05 PG-01,	SB1-02-16	90021603		PB-01, -02	EW-03	Fulcos), Cul (37.2) Be(0.93), Cul (37.2), Cul (27.1), Pb(17.9°), Bullon (27.4.4.2), Cul (27.1), Pb(17.9°),	Zn=42.3/(FB)
90021704 PEO-IL, -02 EW-OI Re(17), Cd(OAPB), Cr(20.0, Cu(21.8), Pe(10*) 90021705 PEO-IL, -02 EW-OI Re(17), Cd(OAPB), Cr(20.0, Cu(21.8), Pe(10*) 90021705 PEO-IL, -02 EW-OI Re(17), Cd(OAPB), Cr(20.0, Cu(21.8), Pe(12.4) 90021806 PEO-IL, -02 EW-OI PEO-IL, -02 EW-OI PEO-IL, -02 PEW-OI PEO-IL, -02 PEW-OI PEG-IL, -02 PEW-OI PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEG-IL, -03 PEW-OI, -03 PEG-IL, -03 PEW-OI, -03 PEG-IL, -03 PEW-OI, -03 PEG-IL, -03 PEW-OI, -03 PEW-OI, -03 PEW-OI, -03 PEW-OI, -03 PEW-OI, -03 PEW-OI,	SB1-03-02	90021703		FB-01, -02	EW-01	Pa(2.1.), 24(4.1.) Pa(2.0), Cd(0.60), Cr(27), Cu(19.3), Pb(13.7°), Nr/20, 27, 27, 646	Cd=0.6J(MB,B)/Zn=66J(FB)
PB-01, -02 PW-03 PB-01, -02 PW-04 PQ(034), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(031B), Cq(SB1-03-05	90021704		FB-01, -02	EW-01	Be(1.7), Cd(0.54B), Cr(20.6), Cu(27.8), Pb(10*),	Cd=0.34J(MB,B)/Zn=54.4J(FB)
PB-01, -02 EW-03 Statistical California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California California Californi	SB1-03-18	90021705		PB-01, -02	EW-01	N(20.1), CB(2**) 80(0.94), CB(0.21B), Cr(9.6), Cb(34.7), Pb(7.5°), 84(7.1)	Cd=0.211(MB,B)/Zn=33.21(FB)
Tilozouovi	SB2-01-01	90021804		FB-01,02	EW-03	SPO.10UWN), AMI 3N), Cr(2.0), Cu(19.3), Po(6.2°), Hg(0.32), Ni(1.78), 8a(0.2UW),	Sb=0.1R(N)/As=1.31(N,MByPb=6.21(EB)N1=1.71(MR,B)/ Zn=6.91(FB)
90022301 90022302 90022302 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 90022303 900	SB2-01-19	900213006		ä	EW-03	Ti(0.200W), Za(3.3.2) Sb(0.100WN), Aa(14.3N), Be(0.73), Cd(0.31B), Cr(6.6), Cu(2.71), Pb(7.8°), Ni(13.6), Cr(6.71), Tr(7.8°), Tr(7.8°), Tr(7.8°),	Sb=0.1R(N)/As=14.31(N)/Cd=0.311(MB,B)/Pb=7.63(EB)/ Ni=15.64(AB)/Ti=0.31(B)
90022002 90022003 90022003 90022003 90022003 90022003 90022003 90022003 90022004 90022004 90022004 90022005 90022005 90022005 90022005 90022005 90022005 90022005 90022005 90022005 90022005 90022005 90022005 90022005 90022005 90022005 90022005 90022005 90022005 90022005 90022005 90022005 90022005 90022005 90022005 90022005 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 900	SB2-02-01	90022301		FB-01, -02	EW-03,-05	SQUALOW), 11(0.5B), ZA(2A), SQUALOWN), AA(1.7N), C7(2B), CU(17.4), BA(2.7), MIT KB), SA/O 211 MIX 7=(4 K)	Sb=0.11R(N)As=1.73(N,MB)Pb=3.73(EB)/
NG 12 13 14 15 15 15 15 15 15 15	SB2-03-01	90022302		Ę,	EW-03,-05	SP(0.11UWN), A4/20.7N), Be(0.96), Cd(0.65), Cr(11.7), Cu(26.5), Pe(16.3*), Hg(0.03),	Sb=0.11 R(N)/As=20.71(N)/Cb=0.651(MB)/T1=0.371(B)/Zn=66.91(PB)
90022004 90022004 90022005 90022005 90022005 90022005 90022005 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 90022006 900	SB2-04-01	90022303		FB-01, -02	EW-03,-05	N(195), Se(021UW), T(037BW), Za(66.9) SP(0.11UWN), Ac(11.5N), Be(0.91), Cd(0.23), Cr(10), Cu(3.11), Pe(15.6*), Ne(18.7), Se(0.71TM), Tr(0.6PM), Tr(15.7),	Sb=0.11R(N)/As=11.5/(N)/Cd=0.231(MB,B)/T1=0.563(B)/ Zn=64.51(FB)
9002203 FB-01, -02 EW-03, -03 SP(0.11UVNY), Ad(11.1N), Be(2.1), C(22.6), C(22.6), FP(9.4°), Hg(0.03), N(21.3), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0), S(0.23.0),	SB4-01-01	90022304		FB-01, -02	EW-03,-05	340.250 W, 110.352W, 2410.25 Sk0.12UWN, A46.4N, B6(1.2), Cd(0.36), Cf(7.7), Cu(3.8), Pe(14.1°), Hg(0.4), Ng(1.3), C ₁ 0.050M, TriA, App. 2, 2, 2,	Sb=0.12R(N)/As=8.4J(N)/Cd=0.36J(MB,B)/Ni=11.2J(MB)/ Se=0.39J(B)/T1=0.49J(B)/Zn=22J(FB)
90022035 90022036 90022036 90022036 90022036 90022036 90022036 90022036 90022037 90022037 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90020303 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 90022039 9002039	SB4-01-02	90022303		Ę,	EW-03,-05	Sq(1111), Sq(3-3914), sq(213), Sq(31110WN), Aq(11.1N), Be(21), G(206), Cu(226), Pg(226), Hg(303), Ng(213), Se(1318WN), Tr(0.478), Ze(64, 7)	Sb=0.11R(N)/As=11.14(N)/Se=0.33J(B)/T1=0.47J(B)/ Zn=66.7J(PB)
90022006 FB-01, -02 EW-03,-05 Sh(0.12UWN), Aq(10.9N), Be(1.7), Cd(0.56B), Cd(1.17), Hig(0.09), M(1.24), Sq(0.24BW), Ti(0.24B), Zd(6.00) FB-01, -02 EW-03,-05 Sh(0.12UWN), Aq(9.6N), Be(1.9), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B), Cd(0.24B)	SP4-01-02D SP4-01-028			FB-01, -02 FB-01, -02	EW-03,-05 EW-03,-05	NA NA NA	None Applied None Applied
90022307 PB-01, -02 EW-03,-05 SQL012UWN), AQSAN, BQL03, CQC24B), CQC22307 PB-01, -02 EW-03,-05 SQC012UWN), AQSAN, BQL03, PGC024B), CQC22308 PB-01, -02 EW-03,-05 SQC021UWN), AQSAN, PGC034B, CQC233, CQC23UW, ZQC6AB), PB-01, -02 EW-03,-05 SQC012UWN), AQC0AB, CQC233, CQC0AB, CQC233, CQC230, PGC0AB, CQC230, PGC0AB, CQC230, PGC0AB, CQC230, PGC0AB, CQC230, PGC0AB, CQC230, PGC0AB, CQC230, PGC0AB, CQC230, PGC0AB, CQC230, PGC0AB, CQC230, PGC0AB, CQC230, PGC0AB, CQC0AB, CQC230, PGC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB, CQC0AB	SB4-02-01			FB-01, -02	EW-03,-05	Sb(0.12UWN), Ag(10.9N), Be(1.7), Cd(0.36B), Cr(21.6), Cu(28.8), Pb(11.7°), Hg(0.09),	Sb=0.11R(N)/As=10.93(N)/Cd=0.563(MB,B)/T1=0.263(By/ Zn=663(FB)
90022306	SB4-02-02	90022307		FB-01, -02	EW-03,-05	THE LABOUT INCLUSION OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE COLUMN OF THE CO	Sb=0.12R(N)/As=9.6J(N)/Cd=0.24J(MB,B)/Zs=66.6J(FB)
90022309 FB-01, -02 EW-03,-03 SP(0.12UWP), Ad (1.4M), Be(1.9), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28), Cr(28),	3B4-03-01	90022308		FB-01, -02	EW-03,-05	m(322), squ.23UW, zd(vz.) 60(311UWN), zd(9.7N) Be(1.9), Cd(0.45B), Cr(25.3), Cu(16.7), 8bc(14.4), zd(0.7), zd(24.0), cz(0.45B), Cr(25.3), Cu(16.7),	8b=0.11R(N)/As=9.71(N)/Cd=0.451(MB,B)/Se=0.363(B)/ 7s=771/FBN
90021706 NA FB-01, -02 EW-01 Be(1.0), Cd(0.34B), Cr(15.5), Cu(13), NI(11), Za(41.9)	SB4-03-02	90022309		PB-01, -02	EW-03,-05	TO (2012) WHIN A (11.4N), Be(1.9), CT (28.), Be(1.4.4), Be(1.9), CT (28.), Be(1.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4	Sb=0.12R(N)/As=11.4J(N)/T1=0.38J(B)/Zn=87J(FB)
	SB-B-01	90021706	NA	FB-01, -02	EW-01	Be(1.0), Cd(034B), Cr(15.5), Cu(13), N(11), Zn(41.9)	Cd=0.34J(MB,B)/Cu=13J(FB)/NI=11J(MB)/Zn=41.9J(FB)

				Table F-15	b. Data Validation	Table F-19b. Data Validation Labes: Priority Polluant Metab		
				CALL	CALIBRATION		BLANKS	
SAIC Sample Number	Laboratory ED Number	Collection Dates	Analysis Dates	Initial Calibration	Coatinuing Calibration	Initial Binak	Continuing Blank	Procedural Blank
SOIL:BATCH 2 SB1-04-01		06/90/60	09/25-11/03/90	ALL INITIAL (4)	AND CONTINUING	4 ICBs APPLY	15 CCBs APPLY	1 APPLICABLE PBW
SB1-04-02	20957006	06/90/60	09/25-11/03/90	CONTROLLIMIT	CONTROL LIMITS FOR ALL	NO CONTAMINANTS WERE	AND NK(48, 15B) NO CONTAMINANTS WIRBE	NO CONTAMINANTS WERE
SB1-04-03	80952006	06/90/60	09/25-11/03/90			BLANKS GREATER THE CRDL	DETECTED IN THE CONTINUING	BLANKS OREATER THE CRDL
SB1-04-04	90023604	06/90/60	09/25-11/03/90				GREATER THAN THE CRDL.	
SB4-04-01	90022310	06/30/30	09/25-11/03/90					
SB4-04-02	90022311	08/30/90	09/25-11/03/90					
SB4-05-01	90022312	06/30/30	09/25-11/03/90					
SB4-05-02	90022313	08/30/90	09/25-11/03/90					
SB4-05-02D SB4-05-02S SD4-01	90022313D 90022313S 90022402	08/3090 08/3090 08/31/90	09/25-11/03/90 09/25-11/03/90 09/25-11/03/90					
SD4-02	90022403	06/11/90	09/25-11/03/90					
_								

		Table F	-19b, Data Validation	Table F-19b. Data Validation Tables: Priority Polluant Metals (Continued)	tals (Continued)	
1	Laboratory	DI ICI	ІСРИСЅ	ACCURACY	PRECISION	Laboratory
SAIC Sample Number	ID Number	Initial	Final	Spike Sample	Duplicate Sample	Control
SOIL:BATCH 2 SB1-04-01	2 90023601	ALL INITIAL ICP/ICS	ALL FINAL ICP/ICS	SB4-05-02	SB4-05-02	ALL PERCENT RECOVERIES
SB1-04-02	90023602	%K WITHIN COLKOL LIMITS (80–120%)	%K WITHIN COTROL LIMITS (80-120%)	FERCENT RECOVERY FOR ALL SPIKED	ALL RPDs WITHIN CONTROL LIMITS (35%).	WITHIN CONTROL LIMITS (80-120%)
SB1-04-03	90023603			LIMITS (75–125%), EXCEPT		
SB1-04-04	90023604			50(U) AND AS(103.4)		
SB4-04-01	90022310					
SB4-04-02	90022311					
SB4-05-01	90022312					
SB4-05-02	90022313					
SB4-05-02D SB4-05-02S SD4-01	90022313D 90022313S 90022402					
SD4-02	90022403					
			•			

			Table F-19b.	Data Validati	able F-19b. Data Validation Tables: Priority Polluant Metals (Continued)	
SAIC Sample Number	Laboratory ID Number	Standard Addition Results	Field Hank Results	Equipment Blank Results	Significant Sample Results	Den Qualifors
SOIL:BATCH 2 SB1 -04-01	90023601		PB-03	EW-05	Be(1.7), Cd(0.66), Cr(19.4), Cu(24.8), Pb(23),	Cd=0.660(MB)
SB1-04-02	90023602		PB-03	EW-05	M(24.5), CM(04.5) M(1.3), Cd(0.4), CT(16.6), Cu(29.2), PO(12.2), M(27.2), Z(16.6)	Cd=0.491(MB)
SB1-04-03	90023603		FB-03	EW-05	re(1.1), Cd(0.79), Cr(20.5), Cu(30.3), Pb(15.5),	Cd=0.79J(MB)
SB1-04-04	90023604		FB-03	EW-05	Nd (27.1), LM (20.4) Bell 16), Cald 27B), Cr(19.5), Cu(34.2), Pb(13.9), M/(41.4), 7=(4.7.7)	Cd=0.371(MB,B)
SB4-04-01	90022310		20− °10−0,	EW-03,-05	Sp(0.10WN), Aw(10.8N) Be(1.1), Cd(0.21 B), Cr(13.1), Cw(16.9), Pd(25.6), Hg(0.02), Sr(14.5), Cw(16.9), Pd(17.6), Hg(0.02),	Sb=0.1R(NYAs=10&KNYCd=0.21.1{MB_B}/Ni=14.51{MB} Se=0454{B}/Zn=51.21{FB}
SB4-04-02	90022311		FB-01,-02	EW-03,-05	N(15.2), Squarab, 11(0.2004), 24(31.2) Sb(0.1UWN), Aq6.2N), Bq(1.4), Cd(0.49), Cr(16.9), Cu(3.1), Fu(10.4), N(191.5), Cr(16.9), Cu(3.1), Fu(10.4), Z-2.45	Sb=0.1R(N)/As=8.2K/N)/Cd=0.491(MB)/So=0.521(B)/ Zn=66.71(FB)
SB4-05-01	90022312	Se: r=1.000, FINAL CONC.=4.1	FB-01,-02	EW-03,-05	Se(0.5287), 140.2307, 2.4(6.7.) Se(0.610WN), Ad(2.8N), Be(0.258), Cr(5.4), Cu(16.1), Pr(11), Hg(0.03), Ni(9.2),	\$b=0.06R(nya=1.54(nyb=0.151(b)n=9.11(aby \$e=0.36I(b)Za=11.6I(FB)
SB4-05-02	90022313		FB-01,-02	EW-03,-05	Se(0.30BW), 11(0.300W), 24(13.5) Se(0.30BWN), Ad.7.0N; Be(1.6), Cd(0.28B), Cr(21.2), Cd(27.4), PR(10.5), Ni(28.6), Se(0.73BW), Ze(18.5)	\$b=0.09R(N)/Ab=71(N)/Cd=0.281(MB,B)/Zb=55.33(FB)
SB4-05-02D			FB-01,-02	EW-03,-05	NA NA NA	None Applied
SD4-01	90022402		FB-01,-02	EW-05	Sb(0.11UWN), Ad(11.0N), Be(1.7), Cd(0.22B), Cr(20.9), Cx(3.1.1), Pb(13.8), Ni(33.7),	Sb=0.1 R(N)Ap=113(N)Od=0.223(AB.B)/71=0.273(B)/ Zn=73.94(FB)
SD4-02	90022403		FB-01,-02	EW-05	80(220W), M(0.218, M(13.8), Sh(0.12WW), Anfolk), Be(2.0), Cd(0.35B), Cd(19.3), Co(28.1), Pb(20.4, Hg(0.04), N(28.1), Tl(0.30B), Zn(71.3)	\$b=0.12R(N)/As=9.63(N)/Cd=0.553(MB,B)/Tl=0.504(B)/ Zn=71.53(FB)

SAIC Sample Laboratory Collection Annabor Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Date		CALIBR	CALIBRATION		BLANKS	
10 90021710 06/24/90 -16 9002166 06/24/90 -16 90022401 06/24/90 -17 90024901 06/24/90 -18 90025104 06/24/90 -19 90025104 06/24/90 -10 90025105 06/14/90 -10 90025105 06/14/90 -10 90025101 06/14/90 -10 90025101 06/14/90 -10 90025101 06/14/90 -10 90025101 06/14/90 -10 90024/902 06/14/90 -10 90024/902 06/14/90 -10 90024/902 06/14/90 -10 90024/902 06/14/90 -10 90024/902 06/14/90 -10 90024/902 06/14/90 -10 90024/902 06/14/90 -10 90024/902 06/14/90 -10 90024/902 06/14/90 -10 90024/902 06/14/90 -10 90024/902 06/14/90 -10 90024/902 06/14/90 -10 90024/902 06/14/90 -10 90024/902 06/14/90 -10 90024/902 06/14/90 -10 90024/902 06/14/90 -10 90024/902 06/14/90 -10 90024/902 06/14/90 -10 90024/902 06/14/90	Analysis Dates	Initial Calibration	Continuing Calibration	Initial	Continuing Blank	Procedural Blank
9002390 9002490 9002490 9002490 900240 9002170 9002170 9002366 9002366 9002366 9002366 9002366 9002366 9002360 9002490 9002490 9002490 9002490 9002490 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 900230 90020	100500	ALL INPERIOR AND AND AND AND AND AND AND AND AND AND	CONTRACTO	A PORT A DESCRIPTION	A COCH. And Vol. 100	A Ment of the state of the state of
90022401 90024901 90024901 9002406 9002366 9002366 90025100 90025100 90024902 90024902 90024901 90024901 900239018	00/20-10/2990	CAT TREATIONS (15) WITHIN SEP	NUTTHIN 6.P	• ICDS AFFLI.	10 CCD4 AFFLT 30(=1.3b)	I AFFLICABLE FBW
9002/5104 9002/5104 9002/1708 9002/306 9002/306 9002/5107 9002/5107 9002/5107 9002/5107 9002/907 9002/907 9002/901 9002/901 9002/901 9002/901	09/26-10/25/90	CONTROL LIMITS FOR ALL METALS	OR ALL METALS	NO CONTAMINANTS WERE	AND NK-14R 16R 18B	NO CONTAMINANTS WERE
90025104 90021708 90021709 90025105 90025102 90025101 900251015 900251015 900251015 90025010 90025010 90023901	09/26-10/25/90			DETECTED IN THE INITIAL	NO CONTAMINANTS WERE	DETECTED IN THE PBW
90021708 90021709 90025106 90025102 90025101 900251015 900251018 900251018 90025010 90025010 90023901	09/26-10/25/90			BLANKS GREATER THE CRDL	DETECTED IN THE CONTINUING	BLANKS GREATER THE CRDL
80021709 90025106 90025102 90025102 90025102 90025102 90025009 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 90025103 900251	09/26-10/25/90				CALIBRATION BLANKS	
90023666 90025106 90025107 90025101 90025101 90024902 90024902 90024902 90024901 90023105 90023105 90023105	09/26-10/25/90				GREATER THAN THE CRDL.	
90025102 90025101 90025101 90025101 90025101 90025101 90025101 90025101 90025101 90025101 90025101 90025101 90023101	09/26-10/25/90					
20152009 20152009 20152009 20152009 20152009 20152009 20152009 20152009 20152009 20152009 20152009 20152009 20152009 20152009	09/26-10/25/90					
2015/2006 2016/2006 2016/2006 2016/2006 2016/2006 2016/2006 2016/2006 2016/2006 2016/2006 2016/2006 2016/2006 2016/2006 2016/2006 2016/2006 2016/2006 2016/2006 2016/2006	09/26-10/25/90					
200251010 200251018 20025009 20025009 20025009 20025009 20025009 20025009 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 20025109 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 2002510 20025	000001100000					
3106£2006 3106£2006 306£2006 306£2006 306£2006 306£2006 306£2006 306£2006 306£2006	09/26-10/25/90					
90024902 90024902 90024901 90025105 900239018	09/26-10/25/90					
90024902D 90024902 90024801 90023901 90023901D	09/26-10/25/90					
90024801 90024801 90023901 900239018	09/26-10/25/90					
90025105 90023901 90023901 90023901D	09/26-10/25/90					
90025105 90023901 900239015	09/26-10/25/90					
90023901 90023901S 90023901D	09/26-10/25/90					
90023901S	11/06-11/14/90	INITIAL(2) AND CONTINUING (10)	NTINUING (10)	2 ICBs APPLY.	10 CCBs APILY	1 APPLICABLE PBW
90023901D	11/06-11/14/90	CALIBRATIONS WITHIN %R	THIN S.R	Cd(3B)	As(-2.5B, -2.8B), Cd(3B), NI(-15B)	As(-3.4B), Cd(3B), Zn(9B)
	11/06-11/14/90	CONTROL LIMITS FOR ALL METALS	OR ALL METALS	NO CONTAMINANTS WERE	NO CONTAMINANTS WERE DETECTED IN THE CONTINE TWO	NO CONTAMINANTS WERE
				BLANKS GREATER THE CRDL	CALIBRATION BLANKS	BLANKS GREATER THE CRDL
					GREATER THAN THE CRDL.	

		Table F	-19c. Data Validation 7	Table F-19c. Data Validation Tables: Priority Polluant Metals (Continued)	stals (Continued)	
	Laboratory	2	30/d01	ACCURACY	PRECISION	
SAIC Sample	10			Spike	Duplicate	Control
Number	Number	Initial	Final	Sample	Sample	Sample
WATER						
EW-01	90021710	ALL INITIAL ICP/ICS	ALL FINAL ICP/ICS	MW1-02	MW1-02	ALL PERCENT RECOVERIES
EW-03	90021808	%R WITHIN COTROL	%R WITHIN COTROL	PERCENT RECOVERY	ALL RPDs WITHIN	WITHIN CONTROL LIMITS
EW-05	90022401	LIMITS (80-120%)	LIMITS (80-120%)	FOR ALL SPIKED	CONTROL LIMITS (20%).	(80-120%)
EW-07	90024901			ELEMENTS WITHIN	•	
EW-09	90025104			LIMITS (75-125%)		
FB-01	90021708			•		
FB02	90021709					
FB-03	90023606					
HT-01	90025106			MW2-01	MW2-01	
MW1-01	90025102			PERCENT RECOVERY	ALL RPDs WITHIN	
-				FOR ALL SPIKED	CONTROL LIMITS (20%),	
MW1-02	90025101			ELEMENTS WITHIN	EXCEPT Cr(200%), Cu(58,8%)	
MW1-02D	90025101D			LIMITIS (75-125%)	AND Zn(41 9%)	•
MW1-02S	900251015					
MW2-01	90024902					
MW2_01D	00004000					
NAW - OIL	900243020					
D-2	00074801					
*	10047004					
8-d	90025105					
MW4-02	90023901	INITIAL ICPICS	INITIAL ICP/ICS	MW4-02	MW4-02	ALL PERCENT RECOVERIES
MW4-023	900239015	%R WITHIN COTROL	%R WITHIN COTROL	PERCENT RECOVERY	ALL RPDs WITHIN	WITHIN CONTROL LIMITS
MW4-02D	90023901D	LIMITS(80-120%)	LIMITS (80-120%)	FOR ALL SPIKED	CONTROL LIMITS (20%),	(80-120%)
				FLEMENTS WITHIN	EXCEPT Cu(38.8) AND 72.41 8)	
				TIMIT 13 (13 - 173 70)	Zu(*1.9)	

			Table P-19c.	Data Validatio	Table F-19c. Data Validation Tables: Priority Polluant Metals (Continued)		
SAIC Sample Number	Laboratory ID Number	Standard Addieon Reaults	Floid Hank Results	Equipment Blank Rosalts	Significant Sample Roadb	Data Qualifors	
WATER EW-01 EW-03	90021710		V V	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	A4(2UW), P6(1.3B), Za(9.0B) P6(1.3B), Za(14.0B)	Pb=1.34(MB,B)/Za=94(MB,B) Pb=1.34(MB,B)/Za=1.44(MB,B)	
EW -05 EW -07	9002401 90024901 90025104		< < < < × × ×	<u> </u>	A4(20UW), Pb(82) A4(43B), Pb(21B), Se(3.0UW) Pb(23B), Za(9B)	Po=5.2(MB) Po=2.3(MB) Po=2.3(MB)/Zo=94/MB)	
78-01 10-01 10-01	90021706 90021709 90023406		< < < < < < × × ×	4 4 4	Cu(14B), Pr(3.4), Se(3UW), T(2UW) Pr(2.6BW), Se(3UW), Zu(80) Au'2.01W), Pr(1.4BW)	Cu=14(B)7b=3.4(MB,B) 7b=2.6(MB,B) 7b=1.4(MB,B)	
HT-01 MW1-01	90025106			NA EB-07	Cu(12B, Pc(21B, N(19B, TK20UW), Za(11B) Aa(5BB, Cu(11B), Pc(45B), N(14B), Se(3UW), Tiction, Zacista	Cu=12(B)7D=2.14(MRB)Ni=198(MRB)Zn=111(MRB) Au=5A(B)Cu=114(FRB)7D=4.54(FRB)Ni=144(MRB) Zn=15/FRB	
MW1-02 MW1-02D MW1-02S MW2-01 MW2-01D		Se: r=0.9994, FINAL CONC.=9.5	FB-01,-02,-03 FB-01,-02,-03 FB-01,-02,-03 FB-01,-02,-03	EB-07 EB-07 EB-07 EB-07	A4(3.4B),Cu(32),Fb(14.3),So(3UW),Tl(2UW),Za(51) NA NA A4(5.3B), Cu(22B), Fb(27.9), So(3.0W), Za(26) NA	As = 5.4(B)/Cs = 324(FB)/Tb = 14.34(FB)/Zn = 511(FB) None Applied None Applied None Applied None Applied	
MW2-018 P-2 P-8	90024801 90024801 90025105		FB-01,-02,-03 FB-01,-02,-03 FB-01,-02,-03	EB-07	A433B), Ou(43), Pb(10.5), Ni(32B), S4(3UW), Ti(2UW), Zb(25) Cu(37), Pb(6.9), Ti(2.0UW), Zb(24)	Name Applied Na=3.34(BM)Cu=434(BM)Tb=10.53(EB)Ni=322(MB.B)/ Zn=254(FB) Cu=371(FB)Tb=6.94(FB)Zn=244(FB)	
MW4-02	90023901	V N		EW-09	A4(3.3 BW), Cu(27), Pb(29.4), Ni(16B), So(3UW), Zn(32)	As=3.31(AB,B)Ni=16J(MB,B)Hg=0.2R(HT)/ Zo=92J(MB)	
MW4-02 B MW4-02 D	90023501.D 90023501.D		FB-03 FB-03	EW - 09	Y X	None Applied	

					racio r - 1 ye.	18086 F. 190, Floring Political Metal Cata Validation Wombiests Indiana Air National Guard Base Fort Wayng, Indiana	Wayne, Indiana		
SAICS ample Number	Laboratory Identification Number	Sampling Dates	Preparation Dates	Analysis Dates	Lakial Calibration (ICV)	Costlaules Califration (CCV)	Iskis! Celifration Blank (ICB)	Continuing BLANKS Continuing Coliforiton Blask (CCB)	Proparation Black (PB)
WATERS EB4-1 MW4-01 MW4-02 MW4-02 P-1	1300 1430 1430 1430 1430 1430	11/01/91 11/06/91 11/06/91 11/07/91	1481/1 1481/1 1481/1 1481/1 1481/1 1881/1	11/19-2591 14/19-2591 11/19-2591 11/19-2591 11/19-2591	ALL ICV 948s WITHIN CONTROL LIBRITS (14g=80-12s, ALL OTHER METALS=90-110)	ALL.CCV 948 WITHIN CONTROLLIMITS (14g=80-12A ALL OTHER METALS=90-110)	NO INTERPRENCE DETECTED IN THE DITTLE CALBRATION BLANIS AT CONCENTRATION OREATER THAN THE CLP CADL	NO INTENPERENCE DETECTED IN THE CONTINUING CALEKATION BLANKS AT CONCENTRATION OREATER THAN THE CLF CR.D. *CCB?: Fe=-1.39 pg/l	NO DYTERPRENCE DETECTED BY THE REPORATION BLANTS AT CONCENTRATION OREATER THAN THE CLECKED.
SOILS 884-3-1 884-3-2 884-3-2 881-3-4 88D-1	96897 96877 96877	16/20/11 16/20/11 16/10/11 16/10/11 16/10/11	16/87/11 16/87/11 16/87/11 16/87/11 16/87/11	11/19-2091 11/19-2091 11/19-2091 11/19-2091	ALL ICV 448s WITHIN CONTROL LIMITS (14g-50-10) ALL OTHER METALS = 90-110)	ALL CCV 988 WITHIN CONTROL LIMITS (Hg. 90-19, ALL OTHER METALS = 90-110)	NO DYERPERICE DETECTED IN THE DITIAL CLERATION GREATER AT CONCENTRATION OREATER THAN THE CLECADL	NO DYTEMPERENCE DETECTED IN THE CONTRUING CALERATION BLANKS AT CONCENTRATION OREATER THAN THE CLF CRDL. "CORE PR.—1.28 ag/ "CORE PR.—1.28 ag/ "CORE PR.—1.28 ag/ "CORE PR.—1.28 ag/ "CORE PR.—1.28 ag/	NO INTERPREDENCE DETECTED IN THE PREPARATION BLANTS AT CONCENTRATION ORBATES THAN THE CLP CR.DL.
WATERS EBLA-1	119629	16/50/11	11/1491	16/02/11	ALL ICV MRs WITHIN	ALL CCV 948s WITHIN	NO INTERPERENCE DETECTED IN		NO INTERMEDIANCE DETRICTED IN
MW1-02	033611	16/50/11	11/1491	16/02/11	CONTROL LIMITS (Hg=60-120, ALL OTHER METALS=90-110)	CONTROL LIMITS (Hg=80-120, ALL OTHER METALS=90-110)	2	THE CONTROLLING CALLERATION BLANKS AT CONCENTRATION OREATER THAN THE CLF CRDL.	
1-18B1	20011	16/50/11	10/14/91	16/02/11		EXCEPT OCV'S Se=-28%	*!CB: As = 1.0B/Pt = \$.1B/Pb = -1.6B/ N= 9.9B µg/l	*CCB1: Al=11.78/As=-1.28/Fe=3.18/ Fe=-1.68/As=9.48 Ag/	*PBW: Al=31.1B/A==1.1B/O=189.2B/ O= 2.1B/Re=24.4B/Re=-1.4B/
PB1-1	119611	16/10/11	11/21-2591	11/22-26/91				*CCB3 Al=19.98/As=-1.48/Re=5.1B/ *CCB3 Al=19.98/As=-1.48/Re=5.1B/ ************************************	
FB4-1	665611	16/70/11	17/1491	1656/11				*CCB4 Al=11,86/a= 1,48/e=1,28/ Pb=-1,88/a=12,89 ag/ *CCB3 As=-1,48/Pb=-1,39 ag/	
\$01L\$ B01-1-1	009611	16/00/11	11/20-21/91	1657-12/11	ALL ICV MRs WITHIN CONTROL LIMITS (Hg=80-120, ALL	ALL CCV %Rs WITHIN CONTROL LIMITS (Fig.=80-120, ALL	NO INTERPERENCE DETECTED IN THE INITIAL CALERATION BLANKS AT CONCENTRATION OREATER	٠.	NO INTERPREDICE DETECTED IN THE PREPARATION BLANKS AT CONCENTRATION GREATER
BOI-1-3	109611	11/03/91	11/20-21/91	11/21 – 25/91	OTHER METALS=90-110)	OTHER METALS=90-110) EXCEPT: CCV4: \$c=-22%, CCV10: \$c=88.9%	THAN THE CLP CRDIL 1031: Pa = 128 AgA 1031: Re = 408 AgA	OREATER THAN THE CLP CRDL. "CCBL Re= -480Ni= -4.50 μg/ "CCBL CL=9.50Ne=3.50Ng=1.60/	THAN THE CLP CRDL. *PBSI: Al-27.467B/Ch=27.292B/ *Pc-3.453B/Mg=3.699B/
BOI-1-3	709631	16/50/11	11/20-21/91	14/21-25/11				No LEB Agh "CCB4 No LEB Agh "CCB4 An - LEB Agh No ExB Agh	Ma=0.2315/Za=2,7005 rg/kg *PB\$2 As==0.2605/ks=0.2305 rg/kg
BO1-1-4	93611	16/53/11	1070-21/91	16/52 - 12/11				"COBSt As=-1.08/Cd=1.18/Fe=4.98/ Mn=1.28/Ne=-9.28 µg/ "COB¢ As=-1.08 µg/ "COBy Ps=-1.08 µg/	
BO2-1-1	119604	16/60/11	11/20-21/91	11/21 – 25/91				"COBIT Pb=-1.18 AgA "COBIL: Fb=-1.08 AgA "COBI2: Sc=1.98 AgA	
BO2-1-2	119605	10/00/11	11/20-21/91	11/21-2591				**COB13: \$6=2.68 µg/ **COB14: \$6=2.98 µg/ **COB15: \$6=2.28 µg/ **COB16: \$6=2.28 µg/	
BG2-1-3	909611	16/00/11	11/20-21/91	11/21~25/91					
3B1-1-1	986611	16/10/16	11/20-21/91	11/21-2591					
\$B1-1-2	146611	16/10/11	11/20-21/91	11/21-2591					

Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple Supple S	Laboratory			IBGERS AT NATIONAL UNITY DESCRIPTION WAYNE, INCHES (COLESION ACCURACY PRECISION	PRECISION	Laboratory	Pield	Equipment
ALLEGE AMPERING ANTER CONTROL LIMITR (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN CONTROL LIMITS (4-1284) POR ALL TO SEA WITHIN	Identification ICP/ICS Number Initial		ICP/ICS Final		Duplicate Sample	Control Sample (LCS)	Binak Results	Blank Results
ALL LOS 948 WITHIN CONTROL LIMITS ON EARTER THAN SAMPLE AND DIFFICANTE CONTROL LIMITS (15-12%) SAMPLE AND DIFFICANTE CONTROL LIMITS (15-12%) SAMPLE AND DIFFICANTE CONTROL LIMITS (15-12%) SAMPLE AND DIFFICANTE CONTROL LIMITS OF SAMPLE AND DIFFICANTE CONTROL LIMITS OF SAMPLE AND DIFFICANTE CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF SAMPLE AND CONTROL LIMITS OF	15205 NA LASS 14305 14305 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14300 14309 14309 14309 14309 14309 14309 14309 14309 14309 14309 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 14300 1430	z		NW4-G) ALL SPING SAMPLE RECOVERES WITHIN CONTROL LIMITS (73-12%)	MW4-©] ALL RPD-WITHIN CONTROL LIMITS FOR SAMPLE AND DUFLICATE CONCENTRATIONS GREATER THAN 3X THE CRD. C. 5.5 % DATO WITHIN CONTROL LIMIT OF (2.5) XCR. FOR SAMPLE OR DUPLICATE CONCENTRATIONS LESS THAN 5X THE CRD.	ALL LCS 481, WITHIN CONTROL LIMITS (40–1204), POR ALL ELEMENTS	NA FB2-1 FB2-1 FB2-1 FB2-1	NA EB2-1 EB2-1 EB2-1 EB2-1
MAIL SING SAMPE MAIL FIDE SAMPE AND	13200 NA NA ISAN ISAN 13201 13202 14395 14396	Š.		(82D-2) ALL SHIRE SAMPLE RECOVERES WITHIN CONTROL LIMITS (73 – 125%)	RED-2) RED OUTSIDE CONTROLLIMITS FOR SAMELE AND DUPLICATE CONCENTRATIONS GREATER THAN 5X THE CRDL (< 35 %), Pb=35.6%	ALL LCS %Rs WITHIN CONTROL LIMITS (80–120%) FOR ALL ELEMENTS	FB4 - 1 FB4 - 1 FB4 - 1 FB2 - 1 FB2 - 1	EB4-1 EB4-1 EB2-1 EB2-1
LEST TRANST THE CRU. ENTER TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU. LEST TRANST THE CRU.	ALL SR WERE RETWEEN 80-120% FOR ALL ELEMENTS	출흥필	etween LL	(<u>KWI-©</u>) ALZ SPIRZ SAMPLE RECOVERES WITHIN CONTROLLIMITS (35–125%) EXCEPT \$0=43.5%	MW1-@ ALL RPD=WITHIN CONTROL LIMITS POR SAMPLE AND DUPLICATE CONCENTRATIONS GRAFTER THAN'S THE CRD. < 55 %) AND WITHIN CONTROL.	DATA NOT PROVIDED	A 187	NA EBIA-1,1-1
ALL SPINS SAMPLE MOTTHOUS) ALL SPINS SAMPLE AND ALL SPINS SAMPLE AND CONTROL LIMITS (12-124) ALL SPINS SAMPLE AND CONTROL LIMITS (12-124) ANALYSIS PLASS & CASSIS & ALL SPINS SAMPLE AND CONTROL LIMITS (12-124) ANALYSIS PLASS & AND THE CRID. ANALYSIS PLASS & AND MARKET AND CONTROL LIMITS (12-124) ANALYSIS PLASS & AND MARKET AND CONTROL LIMITS (12-124) ANALYSIS PLASS & AND MARKET AND CONTROL LIMITS (12-124) ANALYSIS PLASS & AND MARKET AND CONTROL LIMITS (12-124) ANALYSIS PLASS & AND MARKET AND CONTROL LIMITS (12-124) FBI-1 FBI-1 FBI-1	119621 119621 119699				LIMIT OF (\$JXXRIL POR SAMPLE) OR DUFLICATE CONCENTRATIONS LESS THAN 3X THE CR.D.		ž ž ž	\$ \$ \$
	119600 ALL %Rs WERE RETWEEN ALL %1 80-120% FOR ALL 80-120% FOR ALL 80-120% FOR ALL 81.0601 ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS ELEMENTS EL	ALL % 80-12 81-13	LL	[EQ2-1-1] (TWO TIMES) ALL SPINES SAMENES ALL SPINES SAMENES CONTROL LIMITS (75-12%) EXCEPT: Bin-42%, Cu-51.6%, Mm=306,5%, AND 2nd LEAD ANALYSIS Pb=39.5%		DATA NOT PROVIDED	781 -1 781 -1 781 -1	EB4-1 EB4-1
	119603						1-18	EB4-1
	119604						PB1-1	EB4-1
	119605						ï-	EB4-1
	119606						FB1-1	EB4-1
	118596						1-76	E84-1
	119897						PB4-1	1-782

		Indiana Air National Guard Bras	s noe F – 190. F foots of course for which the second course in the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the foots of the fo
SAIC Sample Number	Laboratory Identification Number	Significant Sample Results	Data Validation Qualifiers
WATERS EB4-1 NW4-01 NW4-02 NW4-02 P-1	13203 1435 1435 1439 1439	Nose Detected Po-229-yd Po-1162-yd Po-1162-yd Po-1162-yd Po-1162-yd	None Applied None Applied None Applied None Applied None Applied
SOIL.S SBM-3-1 SBM-3-2 SBM-3-4 SBD-1 SBD-1	13200 13201 13222 14396 14396	Pb=19.3* mpfig Pb=11.1* mpfig Pb=10.1* mpfig Pb=29.5* mpfig Pb=1.4* mpfig	1934(*) 1037(*) 1037(*) 1037(*) 104(*)
WATERS EBIA-1 MW1-02	119629	Al=28.1B/Ca=119B/Ca=3.7B/Fe=34.2B/Mg=20.9B/Se=1.0UN/ Na=143B/Za=6.4B μg/l Al=10000/Na=7.4R/Be=2.48/Ga=1.7B/Ca=1.7B/Ca=2.34000 Ca=1.25.7 a 18/Ca=2.34000	Ai=2& U(MB.B)/Cs=119f(MB.B)/Cs=3.7f(MB.B)/Fs=34.2f(MB.B)/Mg=20.9f(MB.B)/Fs=1Uf(N) Ns=143f(MB.B)/Zs=8.4f(MB.B) As=7.4f(MB.B)/Es=1.1f(MB.B)/Cs=6.7f(B)/Cs=8.1f(B)Mi=30.2f(B)/Ss=3.4f(N.B)/V=25.9f(B)
EB1-1	119628	Na = 577N-1=50.2B/K=55046=3.5BN/Na=11800/V=25.9B/ Za=964 µg/i Za=764 µg/i Za=127.3B/C=118K/Za=116B/Qu=4,3B/Pa=29.0B/Ng=27.0B/ Sa=1 nitN/na=97.8B/za=27a.4	Al=37.3(MB.B)Cd=1.8(B)Cb=116(MB.B)Cu=4.3(MB.B)Fe=29(MB.B)Mg=274(MB.B)Se=1UJ(N N==97.1/MR.B)7s==4.214(MB.B)
781-1 784-1	119621	Al=50.00Ch=86.8Fe=14.00Ahg=1228/ Zn=5.18.90Ch=86.8Fe=14.00Ahg=1288/ Zn=5.18.90Ch=3.00Ahg=15.9BCd=1.8BCn=3730QCn=16.5B/ Re=91.2Pc=2.00Ahg=1970BAhg=9.9BK=5990Se=1.0UNW/ Nn=8470V=5.18Za=11.18.pg/	Al=25G/MB_BY20=66.31(AB B)Pe=14f (MB_B)Mg=15.8f(MB_B)Se=1UJ(NY N=122f(MB_B)Ze=5.1f(MB_B) Al=40.2f(MB_B)Ze=2f(MB_B)Pe=15.3f (B)Cd=1.8f(B)Cb=16.5f(B)Tb=3f(MB_B)Mg=1970f(B) Ma=5.3f(B)Se=1UJ(N)V=5.Uf(B)Za=11.1f(MB_B)
SOIL.S BG1-1-1	119600	Ale 113008 be 3. CUN/Ase 6.5 Ra = 99.1 Ra = 0.09 RCd = 0.678/ Ca = 43.20 CV = 42.2 Co. = 11.5 CA = 3.00 N Fe = 2.00 CM = 5.2 CW Mas = 15000 Mas = 578" Nil = 56.5 K = 1406s = 0.21 UN/Ns = 52.2 BV	8b=3UJ(N)5b=0.69J(B)/Cd=0.67J(MB.B)/Ca=30.2J(N,*)/Ma=573J(N,*)/Ma=92.2J(FB.B) Tl=0.24J(B)
BG1-1-3	109611	Tie 0.286/V = 25.9/Ze= 75.9 mg/kg Ale 1300Qbe 5.3/U/Aca 5.9/Ze= 13.4/Ze= 0.2664 / Fe= 0.608/Ze= 0.348/ Ce= 3000°/Ce= 21.1/Ze= 13.4/Ze= 0.2664°/Fe= 27000/Fe= 1.4/ Mg=9210Ade= 5751°/Nis= 34.7/K= 1560Se= 0.24UV/Ns= 87.08/	\$6=3.3UU(N)B6=0.60I(B)Cd=0.14(MB.B)Ch=28.6I(N.*)Mds=57M(N.*)Mh=67I(PB.B) T1=0.40I(B)
BG1-1-3	119602	Ti=0.40B/V = 30.3/Za = 93.0 mg/kg A=95003623.5 B/W.A=7.5/Ra=7.3/Ra=0.3 CB/Cd=0.7 IB/ Ci=13.4007/Ci=15.7/Cc=16.7/Ra=7.2078=0.23UW/Na=147B/ Mg=16700Ma=432V*/Ri=27.9/R=21.2078=0.23UW/Na=147B/	\$b=3.54(N,B)Bo=0.5 G(B)Cd=0.71J(MB,B)Co=10.25(B)Cb=24.25(N,*)Ma=452(N,*) No=1473(B)TT=0.405(B)
BG1-1-4	119603	Ti=0.408N = 21.072s = 723 mpkg A=100005b=3.2UN/As=1.78s=78.69s=0.608Cd=0.648/ Cn=64600 VCn=19.12Co=13.5,Cn=23.0N -76s=221007b=10.3/ Mg=166007Ms=392V*/NI=37.4/K=22703s=0.231UW/Ns=1498/	\$b=3.118(N)Bo=0.601(B)Cd=0.641(MB,B)Co=231(N,*)Ab=3921(N,*)Nb=1441(B) Ti=0.34(B)
BG2-1-1	119604	Ti=0.54B/V=25.9/Za=76.1 mg/tg Al=100008b=3.64DV/Au=7.8f8=102/f8=0.73B/Ca=6430/ C=16.3/Co=7.8f8/2a=62DV?f8=191007f6=18.6f4[g=3140/	\$\$=\$\$GUGN)\$6=0,73(BYC>=7.8(B)XC>=46.22(N,°)M6=334(N,°)K=1194(B)YN6=354(PB,B)
BG2-1-2	119605	Na = 3304*/*/II=1540;** 1380;** 1380;** 23.02** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42** 23.42**	8b=3.2UG(N)Bo=0.5U(B)Cd=0.4E(MB,B)Co=10.4(B)Cu=21.9(N,*)Ma=42U(N,*) Na=142(FB,B)Tl=0.4M(B)
BG2-1-3	90%11	TI=0.45B/V=Z2.5/Za=63.8 mg/g Al=12305b=3.3UN/Aa=1.2B/Ba=8.7B/Ca=69100°/Cr=3.9/ Co=15B/Cn=79N°/Fe=34007b=2.0Mg=830Ma=13NN°/	\$6=3.1U(N)As=1.2(MB.B)VBs=8.7(B)Co=1.5((B)Cs=7.3(N,*)Ybs=24(FB) Ms=134((N,*)Ni=64(MB.B)K=272(B)Ns=60.64(FB.B)V=4.2(B)Zs=16.14(MB)
SB1-1-1	119596	N=6,09K=2728/h=6,66W=4,528/z=16,1 mpfg N=46,00F=1,1UYA=9,5/fe=34,8/Fe=6,38/Z0=106000'/ C=6,5/Co=6,600C=22,4 V-fe=13600Po=13.7/Mg=19100'/ Ma=374V-YN =20,2/K=6,7/Fe=02.8/Whe=81.9/F/T=0.390V	\$b=3.1U(R)@=3&1KB(B)ge=633K(B)CO=6.5K(B)Cu=22.4K(N,')Ma=374KN,')K=657K(B) \$o=0.28(MB)yna=81.3K(FB,B)7T=0.35K(B)
\$B1-1-2	118697	V = 13.4/Za=283 mg/kg. Ala 11000(Sb=3.4/D/M,a=9.4/Ba=100(Ra=0.4/DR/Ca=0.74/V Ca=4600 */Ca=18.6/Co=8.7/B/Ca=27.4fV*/Fa=23700(Fb=13.6/ Nga-370/A/Ba=2351*/Mi=28.4/K=1150B/Ka=0.25UW/Na=48.0B/ V=27.4/Za=83.5 ms/ka	\$b=3.446(N)\$b==\$£36(B)\$b=0.006(B)\$Cd=0.746(MB,B)\$Cb=£7(B)\$Cb=27.46(N,*)\$Mb=5254(N,*)\$ K=115G(B)\$Nb==441(Pb,B)

					Table F - 19e. Indhet	Table F - 199. Priority Politican Metals Data Validation Workshoom Indiana Air National Guard Base Fort Wayne, Indiana	ta Validation Worksbeets ert Wagne, Indens			Γ
	Laboratory							BLANG		\prod
SAIC Sample Number	Identifbation Number	Sampling Dates	Preparation Dates	Analysis Dates	luttel Calibration (ICV)	Coetlauling Calibration (OCV)	Laith Calforation Blank (ICB)	Continuing Calibration Blask (CCB)	Properation Black (PB)	
\$003 881-1-1	119386	16/10/11	11/28-21/91	11/21-25/91						-
\$B! - 2 - 1	119407	11/05/91	11/20-21/91	11/21-25/01						
\$B1 - 2 - 3	90%11	11,02/91	11/26-21/91	11/21 - 25/91						
SB1-2-3	609611	11,0201	11/20-21/91	11/21 - 25/91	•					
\$B1 -2-1	07%11	16/20/11	11/20-21/91	11/21 - 25/81						
\$\$1A-1-1	119611	11/04/91	11/20-21/91	11/21 - 25/01						
\$BIA-1-2	119612	16/90/11	11/20 - 21/91	11/21-2591						
8BIA-1-3	119413	11/04/01	11/20-21/91	1121-2501						
8BIA-1-5	***************************************	11/0/91	11/20-21/91	11/21 - 25/91						
\$BIA-2-!	119613	11/04/91	11/20-21/91	11/21-2591						
\$BIA-2-2	919611	11/04/91	11/20-21/91	11/21-25/01						
SOILS 881-1-7	029411	16720/11	11/20 - 23/91	11/21 - 2591	ALL ICV SER WITHIN CONTROL LIMITS	ALL CCV SE WITHEN CONTROL LIMITS	NO SYTERY BRENCE DETECTED IN THE BUTLE CALLEMATON MALANKS	NO INTERPRESENCE DETECTED IN THE CONTRACTOR CENTERATION THE AND AT CONCRETE ATTOM	NO BYTERFER REPORTED THE PRESENTED IN THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESENT AND A THE PRESEN	
1-6-11-9-1	119623	19/50/11	16/52-92/11	11/21 - 25/81	OTHER OTHER METALS = 90 - 116)	(ng=00-104, ALL OTHER METALS=90-110) EXCEPT: CCV3: Pb=111.7%		GREATER THAT THE CLF CRDC. *CCB:: Pe=128Me=-1.6M	THAN THE CLF CRID. THAN THE CLF CRID. THE: AL 20 HTMMs - 0 HIM.	
831-3-3	119623	16/59/11	11/20 - 23/91	11/21 - 25/91			*(CBG: Pb=-1.28 pg/l	CCB2: CA-24876-1428 pg/ CCB3: Fa-1448 pg/ CCB3: Fa-1448 pg/ CCB4: Fa-1448 pg/ CCB4: CA-1488 pg/	Mg = 5.090M/m = 5.090M/m Mg = 5.090M/m = 5.090M/m T1= -0.210M/m = 2.970B mg/kg	
SB(-3-3	16931	16/50/11	11/20-23/91	11/21 - 2591				CCBP: Pb=-1.28 pg/		
8B1-3-3R	119625	11/03/61	16/62-02/11	1452-12/11						
\$BIA-2-3	119617	11/04/91	11/20 - 23/91	101-2501						
1-1-VIQ5	119618	16/99/11	11/20-23/91	11/21 - 25/91						
\$BIA-3-2	979611	11/04/91	11/20-23/01	11/21-25/01						
\$BIA-3-3	6134611	11/04/91	11/20-23/01	1021-2501						
\$BIA-3-5	119437	11/03/01	11/20-23/91	11/21 - 25/91						

	Equipment Binak Results	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	7-191	7	7 2	1- 188	1- 100	7	7	ä	- -	1-10	- - -	BBIA-1,1-1	881A-1,1-1	1. 1.1.1.1.1	BBIA-1,1-1		BM-1	B81A-1,1-1	1 - 148	RB1A-1,1-1
:	Piek Black Black	I	FB1 - i	1-162	FBI - 1	1-181-1	1-192	1- 16 1	1-122	1- 1 61	1 160 g	FB1 - 1	1-16k	1-101	1- 10 <u>.</u>	- 1-142	1-18d	1-194	FB1-1	PBI - i Bi	- 1 2 L	FBI - 1
	Laboratory Control Security	(over) admin									•		DATANOT PROVIDED		1 2 4							
bats Validation Worksheets Vayne, Indians (Continued)	PRECISION Duplicate Search												BMA-3-3 AL RPD: WITHIN CONTROL	LIMITESTAN RAPITES AND DUPLICATE CONCRETATIONS OR BATER THAN SK THE CRDL (< 35 %) AND WITHEN CONTROL	LESS THAN SC THE CROS, EXCEPT LESS THAN SC THE CROS, EXCEPT As 32.2%							
Table F - 19e. Priority Pollutant Metals Data Validation Worksbees Indiana Ak National Guard Base Fort Wayne, Indiana (Continued)	Spike Semula	O de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la proprieta de la propri											N (BLA-)-1 ALLPERSAMPLE	NECONTROL LIBRARY (17 - 1254), BKCBFT: 86-99.4% AND 80-99.6%								
E a	ICPACS												TIVEEN ALL SAR WERE BETWEEN									
	ICPACS	1											ALL WR WERE BETWEEN									
	Laboratory Identification Number	11030	109411	119601	409611	119610	119611	119612	119613	119611	119613	119616	000611	119622	119623	119624	119625	13811	B 19611	119636	619611	£29411
	SAIC Sample	\$013 \$81-1-3	\$M -2-1	\$B1-2-2	\$B1-2-3	\$B1 -2-7	381A-1-8	\$BIA-1-2	\$BIA-1-3	8BIA-1-5	\$BIA-2-1	\$B!A-2-2	SOUS 581-1-7	\$61-3-1	\$B1-3-2	881 - 3 - 3	\$81-3-3R	\$B1A-2-3	\$BIA-3-1	\$BIA-3-2	\$BIA-5-3	5BIA~3~

		Table F. 196. Priority Polistent I Indiana Ale National Guard Resea	Table F. 19a. Pierky Politizat Mozab Data Validation Workshees Inclina A.P. Marken (Tured Base Port Warns, Indiana (Cembased)
	Aboratoria		P
SAIC Sample Number	Lacoratory Ideatification Number	Supple Supple Results	V States V States of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitut
\$002 \$11-1-3	36 611	Al-100005b-3.2JN/As-9.0Zb-1767b-0.590Cd-0.039V Cs-5500FC-10.0CG-14.5Cs-14.5CF-21000F6-16.2 Mg-15000Ad-1520V-M1-39.8K-21005c-0.23UWns-1009	86=1 XIJ/RY/Re=6.54(EB/CK=6.83(EAR.BJCx=394)R**)p46=1330FR**y Na=166(PB.B)KTI=6.334(B)
351 -2-1	L896 11	The Libba - 54 2/26 = 604 makes Al-1200066 = 3 IT/No 8 1/85 = 0.6 1/85 = 0.6 1/85 Cd - 6.72 V Cs - 44 207/Cc - 20 IL/O- 8.8 (2/2) = 20 IL/O 1/8 = 1.8 V Ms - 1300046 = 39 20 //Ni - 27 (4K - 171006 = 0.22) W/N = 92 48 V	18=5 XJ/RVJ88=&&&71(B)Cd=&721(BQ_B)Co=6 A/B)CL= 22.1184."/Ms = 393184."/V Na=92J(B).By(Ti=&3J(B)
\$B1 -2-2	800	The CAIDV-STAKEN begoing the CAIDV-STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAKEN - STAK	86—3 XJ(RY)88—673(B)CO—16.4(B)C—18.6(P)."YMs—2034(N,"Y K—1880(B)Rss—55.4(P)ByTI—6.284(B)
8Bt - 2 - 3	609611	24=700 mg/kg 24=700 mg/kg C==4679/CC=24,5C0=524/CC=25.8/79/6=37468/P6=14,9 Mg-5426/M6=32220/PRI=94,9K=161646=0,32JWRN=69.7B	86—1.62/201/88—0.746/83/CC—28.82(N.°)/84s=3228(N.°)/ Ns=68/34(F8,8)/TT—6.404(B)
8B1-2-7	019411	The LOBY = N. XXX = 111 mg/kg. Al-97704b. X. XXX = 170 mg/kg. = 2.9872 = 2.337 C= 7370F.C= 17. XXX = 2.0. N° Fe = 3100FFe = 7.7 Mg = 1700Fd. = 300Fg. XX = 2020Fe = 143771 = 3.737	8b=3.4U/(N)f0c=6.504(B)Cd=6.534(BQ)B)Cc=1643(B)CC=-29.11f0;")/Ms=39040;"y Ns=143(f0B)B)/f1=6.334(f0)
8B1A-1-1	1	V = 41,724=646 mpts Ale 22048b=2,271VA=4, I/Rn=81,506=4,2 Mpts=1,307P6=31,97 Cn=2710PVC=15,2Cn=4,10Cn=17,20VP6=21,30PP6=31,97 Mg=20PPA=4420V-PH=23.44K=703E0s=4,23UWN=93,229 ———————————————————————————————————	86-3 XU(A)f8-88-451(B)C4-1 X(NB)C6-8 A(B)C3-17.11f4" yA4s-4881f4" y K-783(B)As-51 X(FB,ByT1-8 XHB)
8BIA-1-2	19613	Ti-eL_SHW-52.XQL=62.3 mg/R; Al-92447b-3.4CN/An-6.4Sn-68.TB6.61B/Ch2.P Cn-43497/Cn-616.QCn-618.ShCn-613.Th-Ph198047b31.X Mg-9429/An-5346/-YHI22.7XC-10798PfnB0.0B/TI-0.272F Cn-43497An-5346/-YHI22.7XC-10798PfnB0.0B/TI-0.272F	11-3.4U(m)/da-46.61/B)/CD-18.3(B)/Cu-19.71(M.")/da-544(m.") K-197b(B)/da-301(P).B)/T1-4.71/(B)
8-1-VIE8	6	V = 2,42(A = = 0 = 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 +	50 - 1. XV)(P)/NB4.434 (B/C4-4.534 (BM)/C9-544/(B)/C3-24.21(P), 'yA4s-3144(P), 'y 5- 4. Mat (M.B.)/Ks-1644(PA, By/T)-4.324 (B)
8BIA-1-5	1	THE CARD = 13.700 = 13.700 = 13.800 = 3.800 Cd = 4.220 A = 62200 Cd = 3.270 Cd = 63.800 = 6.200 Cd = 6.220 Cd = 1500 Cd = 17.000 = 16.700 = 32.800 Pd = 23.900 Pd = 10.30 Me = 1500 March = 11.800 Cd = 13.800 Pd = 13.800 Td = 6.60 U. M. CG = 12.800 Cd = 13.800 Td = 6.60 B	i b = 1 XU (P) /B= = 4 XM (B) /C= 4 F2/(PB, B)/C= - 18 F2 (B)/C= - 24 (P), ")/A= - 4 IA(P), ")/ N= -1 XM (PB, B)/T1= 4 A1(P)
8BIA-2-1	119613	A = 52005 = 3.7 (A = 12 dPa = 74.4 (B = 4.68 DC4 = 8.44 B A = 52005 = 3.7 (A = 12 dPa = 74.4 (B = 4.58 DC4 = 21.4) C = 5000 C = 1.3 (C = 14.6 C = 31.4 (B = 27000 Pb = 21.4) Mg = 4800 Ma = 66 EV = MI = 34.5 (K = 6990 Bc4 = 4.23 U W/N = 52.58)	19 - 1. XU(0)/m 6.68(B)/C4-6.44(MR B)/C5 - 34.40(1.)/Ms - 6630(1.)/ K-095(B)/Ms - 31.30(M, B)/T1-4.53(B)
\$BIA-2-2	919611	The ASSBY - ASSBAL 16 might A = 454669 - ASSBAL 16 might - ASSBAL - ASSBAL Co = 10000 CO = 1000 - ASSBAL - ASSBAL Ko = 10000 CO = 1000 - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - ASSBAL - A	86 - 2, XL(G)/Bb - 44.51/Bp/C4-45.74/GB/Bp/C5 - 7.24/Gb/C5 - 28.7361, "/Me - 347761, "y 84 - E.AAZ MB,Bp/Ac - 1647(FB,Bp/T1 - 4.31//B)
\$00.8 \$34 - 1 - 7	119620	Al=550(8h=3.87k/As=8.97hs=62.4/hs=0.4.hCd=8.33k/ Cs=1700(Cs=17.0Cx=63.8)cs=22.4ds=2000(Fs=11.4/ Mg=17.00(As=24.4k)=23.8ds=21004s=6.24(17)(Ns=15.3)	5b=3 XJJ@1jAA=8k[*]fb=464k[B)Cd=6.33k[h@,B)Co=10.3/(B)As=0.34L](r)y Ne=165([Bb.Byff=8.53k[h],B)
1-6-108	E	Ti-0.158/V-21.625a-619 mp4c A-11986b-3.13(N-6.13/Pb-195Pb-6.618/O-1689V C3216/C18.5/O-16128/O-23.5Pb-3020Pb-16.6 Mg-19090ba-29.9H-32.16.41669-6.2989V/Mh-86.99	86—3 Xijpijaa—4 Xipye — 6 611(B)C2—8 58ipiq B)C2—18 23 B)64—8 593 HBM By Na — 88i(B,B)cti—8 84j Ma,B)
1-1-188	119433	T-0,502V - 36,22Co = 87,5 mp/g; A-0,9040Co + 1,400 A-2,77m - 7,24m - 6,44mCd - 6,792V Co - 20080CC - 1,400 - 9,240Co - 87,47w - 17000F0 - 34, y Mg - 1,4060fd47,52V - 25,60C - 1100060 - 8,220,7040 - 87,53V	86=1, 12J/(V)/Na =67/1/1918==8.44(19)/Cd=4.74(14,8)/Ca=6.23(19)/K=11001(19)/ 8e=6.25J/(V)/Na=67/24(18)/Ra=87/71=6.24(18)/Ra 8e=6.25J/(V)/Na=67/24(18)/Ra=87/71=6.24(18)/Ra
\$B1-3-3	77,00	71-6.58EV - 38-85C - 837 males Al-machine 3.32EV/Au - 3.97En - 78.45En - 0.48EC/d - 6.79EV Cu - 522EVC - 6.4Co - 7.3ECu - 53.1Fb - 1830EV - 3.4 Mg - 136EVG - 93-38V - 23.46K - 1890EVG - 6.23VVR n - 79.5EV	86=1 XU/N)A4=1A(7)Se=044G(B)C4=474U(A B)Cs=7.5(B)7%=244PR)K=100U(B) 8=4.2XU/N)A6=79.14(B),B)
SB1-3-3R	119625	V = 21, XZ==000 mg/s, x 1770m = 104/20 = 0, cff BCd = 0, 53 g/ Cl = 1, XX=BCT = 1, d(Cl = 1, d(Cl = 1, d(Rl = 1) 99 g/s) = 1, 3, y Mg = 1070g/bd = 33 g/s/ = 1, 1, K = 170g/bd = 0, 25, N W/s = 113 g/s	18-3 4/6/B/44-5.7/4/76-6.7/4/B/C4-6.53/(A,B)/C8-11.4/(B)/P9-10.5/(F)/y 8-6.22/J/(V)/M-113/(BA,B)/T1-8.4/4/(A,B)
\$BIA-2-3	119611	The CRBV + SEAGE + 429 make All (1994) b. 3. The Last - 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The + 13. The +	86—1. XURVIVA—1.XV(T)FB—8.88V(B)C2—8.38K/HB,B)C2—7.AI(B) 86—8.26U(V)M—3.AI(FB,B)
\$BIA-3-1	B19611	V=24.62a=74.5 mg/tg Al=3266b=4.978(Au=6.97b=44.204=6.510.0=12460y O=4.400=4.4000=12.940=111097b=9.344g=51700Ab=390y	\$\$~4.50(f. B)/A~4.50(°)/C3~9 \$14 MT.B)/C3~4.64(B)/K~400(B)/ \$~~2.25(J.(f)/M*~100(F.T.B)
\$BIA-3-2	119638	Al-501(645520K/ta-1)07(64-1)07(64)70(55)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)00(6455)	86-525(KB)44-73(*78-555(B)78-6278(B)Cs-5.44(B)4C-643(B) 8-623J(K)36-95.2(B)B)77-6.34(B)B)
\$B(A-3-3	619611	A = 51346 = 1, 2017 (A = 7, 200 = 67, 400 = 4, 700 = 4, 239 A = 72040 = 1, 700 = 4, 800 = 23, 200 = 19200 0 = 10, 9 A = 12040 M = 1, 700 = 4, 800 = 23, 200 = 19200 0 = 10, 9 A = 12040 M = 1, 200 = 2, 200 = 2, 200 = 1, 200 M = 1, 200 M	84-1, XLU(FV)/N=71(*)B= 0.47/ (B)CX-4, ZLV(4B, B)CX=4, 1/(B)V 64-4, XLU(FV)/N=156/(BB, B)
\$B1A~J~5	119427	V - CANAGE - AND AND AND AND AND AND AND AND AND AND	8b-1 XIJOPIAs-7 SIPISB-0-4430B)Cl-1 JORBACs-1 LIOB 8s-0 XIJI(N)M-134/BB,ByTI-0 34KNB,By

SAICSample Number WATERS P-8 P-8 FB3-1 FB3-1	Laboratory Identification	1							
	Identification							BLANKS	
- 4 EAS - 1 B3-1 B3-1 AV2-01	Number	Sampling Dates	Properation Dates	Analysis Dates	Initial Calibration (ICV)	Continuing Califration (CCV)	Lakla) Caltration Blank (ICB)	Contlaving Calibration Blank (CCB)	Preparation Black (PB)
82-1 62-1 6W2-01	120963	16/0/11	12/1742691	12/16-27/91	ALL ICV MES WITHIN CONTROL LIMITS (Hg=80-128, ALL	ALL CCV NRs WITHIN CONTROLLIMITS (Hg=10-130, ALL	NO INTERPERENCE DETECTED IN THE INITIAL CALBRATION BLANKS AT CONCENTRATION OREATER	NO BYTERFERENCE DETECTED IN THE CONTINUING CALLERATION BLANKS AT CONCENTRATION	NO INTERPERENCE DETECTED IN THE PREPARATION BLANDS AT CONCENTRATION OREATER
B2-1 AW7-01	130062	16/90/11	12/17/826/91	12/19-27/91	OTHER METALS=90-110)	OTHER METALS=80-110)	THAN THE CLI CR DL	OREATER THAN THE CLF CRDL	
10-ZAJ	120964	14/90/11	12/17/23691	12/19-27/91			"ICS: CO=-1.88/Pt=I4.78/Pt==-7.85/ Ti=-1.68 4g/l	Ti=-1.25 µg/	7 ************************************
	1209.38	16/90/11	169241/21	12/19-27/91				CCB Always - CAB - 1, 200 -CCB Always	
MW201R	120960	16/90/11	12/1743691	18/12-51/21					
10-1AM	12003	16/50/11	12/1722691	16/12-61/21					
SOILS 884-1-1 884-1-2	13115	16/05/01	1669 1711		ALL ICV SE WITHIN	ALL CCV 9486 WITHIN CONTROL LIBRITS	NO INTERPREDICE DETECTED IN THE INTIAL CALERATION BLANKS	NO INTERPERENCE DETECTED IN THE CONTINUING CALERATION	NO INTERFERENCE DETECTED IN THE PREPARATION BLANKS AT
86-1-6 89-2-2	13161	16/16/01	11/1491		(Hg=60-120, ALL OTHER MRTA15=60-110	(Hg=69-130, ALL, OTHER META 18-90-119	AT CONCENTRATION OREATER THAN THE CLF CR DL	BLANKS AT CONCENTRATION OREATER THAN THE CLFCRDL	CONCENTRATION OREATER THAN THE CLP CRDL
189-1-1	13162	16/16/01	14/1/11	16/02/11			*ICB1: Fb=-1.EB/E=-1.1B/ Th= - C.78e/	*CCB1: Fb= -1.28/fc = -1.28/	*PB4: Pb= -0.3668/hc= -0.2338/
9-1-685	13163	10/31/01	11/14/91	16/02/11			103: Po=-236 pp.	COB1: Po=-248/Ac=-1.15/	
888-1-9	13164	10/31/91	11/14/91	16/02/11				*CCB F0=-2.30/6=-1.00/	
\$64-2-1 \$64-2-2 \$63-1-1	13165 13186 13114	16/16/01 16/16/01 16/16/01	16/1/11 16/1/11 16/1/11	16/02/11 16/02/11				*CCB4: Fb=-2:28 µg/ *CCB4: An=-1:48 µg/ *CCB7: An=-1:98 µg/	
SOILS \$8LA-1-5	1,209.22	11/0/11	168189171	12/17-19/91	ALL ICV MRs WITHIN CONTROL LIMITS	ALL OCY 48s WITHIN CONTROL LIMITS	NO INTERPERENCE DETECTED IN THE INITIAL CALERATION BLANKS	NO INTERPREDICE DEFECTED IN THE CONTINUING CALERATION	NO INTERPRENCE DETECTED IN THE PREPARATION BLANKS AT
381A-1-5R	120933	16/90/11	13/1641#91	1661-11/21	(Hg=00-124 ALL OTHER METALS=50-110)	CHER METALS - 90-110 OTHER METALS - 90-110 EXCEPT: CCVs. As-3,9%,	AT CONCENTRATION OREATER THAN THE CLP CRDL		CONCENTRATION OREATER THAN THE CLP CRDL
181-2-5	966021	16/20/11	12/14&1891	12/17-19/91		COV Parilland	•	COST Per SIB/Tile - LOB Ag/ COST Per SIB/Tile - LOB Ag/ COST Per SIB/Tile - LOB Ag/ COST Per SIB/Tile - LOB Ag/	Co = 1.5350/Fe = 5.5189/ Po = -0.2408/Afric = 2328/ No = 3.5708/Ti = -0.2508 mg/tg
SS1-2-3R	120957	14/23/11	13/1621291	12/17-19/91				CORP. As = 1.08 µg/ CORP. As = 2.08 µg/ CORP. As = 2.08 µg/ CORP. As = 2.08 µg/ CORP. As = 2.09 µg/ CORP. As = 2.09 µg/ CORP. As = 2.09 µg/ CORP. As = 2.09 µg/ CORP. As = 2.09 µg/ CORP. As = 2.09 µg/ CORP. As = 2.09 µg/ CORP. As = 2.09 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP. As = 2.00 µg/ CORP.	
\$B[A-3-4	¥56021	14/50/11	121641891	12/17-19/91					
\$B1A-3-4R	120955	16/50/11	12/1641891	12/17-1991					

Equipment ort.	in the same	EB2-1	٧×	× ×	E42-1	EB2-1	EB2-1		EB4-1	EB4-1	E84-1	EFF-1	E84-1	<i>,</i> ·	EB2-1	FB2-1	E162-1	EB2-1	E82~1	
Bauto	Results				_			_												
Field	Results	FB2-1	¥	Y	FB2-1	FB2 - 1	FB1	F84-1	FB4-1	1-194-1	PB41	<u>-</u> 46	1-20- 1-20-	•	FB2-1	FB 2 - 1	FB2-1	FB2-1	FB2-1	
Laboratory	Semple (LCS)	DATA NOT PROVIDED						DATA NOT PROVIDED							DATA NOT PROVIDED			-		
PRECISION	Sample	(MW1-8) ALL RPD WITHIN CONTROL LIMITS FOR SAMPLE AND	DUFLICATE CONCENTRATIONS GREATER THAN 5X THE CRID.	LIMIT OF (*) XXCRIL FOR SAMPLE OF DIEN ICATE CONCESSES (TONE	LESS THAN SX THE CRDL, EXCEPT: Al=26.9%	[MW2-018] MERCURY ALL RPDEWITHIN CONTROL	LIMITS FOR SAMPLE AND DUFLICATE CONCENTRATIONS	(\$B3-1-1) All RPDs Within CONTROL	LIMITS FOR SAMPLE AND DUPLICATE CONCENTRATIONS	(< 35 %) AND WITHIN CONTROL	OR DUPLICATE CONCENTRATIONS	Pagy 8%			SBIA-1-5 ALL RPD: WITHIN CONTROL	LIMITS FOR SAMPLE AND DUPLICATE CONCENTRATIONS GREATER THAN SX THE CRD.	(\$53 %) AND WITHIN CONTROL LIMIT OF (\$1)2XCRDL FOR SAMPLE OR DUPLICATE CONCENTRATIONS LESS THAN 5X THE CRDL, EXCEPT:	As = 50.0%.		
ACCURACY	Sample	MW1-0] ALL SPINE SAMPLE RECOVERES WITHIN	CONTROL LIMITS (75-125%), EXCEPT: Sb=61.6% AND Sa=57.0%			SPIKE SAMPLE	NECOVERY WITHIN CONTROL LIMITS (75 – 125 %).	<u> </u>	RECOVERIES WITHIN CONTROL LIMITS (75-125)	Pb=-138.0% Se=68.0%, AND	K0%0=11				[SBIA-1-5] ALL SPINE SAMPLE	RECOVERIES WITHIN CONTROL LIMITS (75-12%) EXCEPT: \$9=39.1%, As=25.6%,	AND MB EXCON			
CPACE	Pinal	ALL SR. WERE BETWEEN 80-120% FOR ALL ELEMENTS						ALL %Rs WERE BETWEEN 80-120% FOR ALL	ELEMENTS						ALL %R: WERE BETWEEN 80-120% FOR ALL	ELEMENTS				
SUPPLIE	Tottial	ALL %R; WERE HETWEEN 80-120% FOR ALL ELEMENTS						RE HETWEEN R all							ALL %Rs WERE BETWEEN 80-120% FOR ALL					
Laboratory	Number	120963	120962	120961	120959	120960	120958	13115 13116	13117	13162	13163	13184	13185 13186 13114		120952	120953	120956	120957	120954	
SAIC Sample	Number	4-4	EB2-1	FB2-1	MW2-01	MW2-01R	MW1-01	SOILS 8B4-1-1 8B4-1-2	\$B4-1-6 \$B3-2-2	SB3-2-1	SB3-1-6	\$B3-1-9	\$B4-2-1 \$B4-2-2 \$B3-1-1	SIGS	\$B1A-1-5	SB1A-1-5R	SB1-2-5	SBI-2-5R	SB1A-3-4	

	Laboratory	Similificant	Date
SAIC Sample Number	Identification Number	Sample Results	Validation Qualifiers
WATERS P-6	120963	Al=42809/8b=14.6BN/As=24.4Bs=2320Bs=2.2BCs=419000 Cr=71.8Co=30.8B/Cs=73.7Ps=65100/Pb=38.1Ms=109000/ Ms=1360/Ni=65KS=284009s=1.0UnW/As=2.0Un/Ns=18500/ V=11.7Zs=212.1mA	Al=42800f(*)5b=14.6f(n,B/Be=2.2f(B)/Co=30.8f(B)/Hg=0.2U.f(HT)/So=1U.f(n)/Ag=2U.f(n)
EB2-1	120962	Al=34.38-8b=14.0UN/Ca=223B/Fe=37.7BMg=52.9B/Mn=1.3B/ Se=1.0UN/Se=2.0UN/Se=77.2B_us/	AI=34.3(MB, B.)5b=14Uf(N)Ca=223(MB,B)Fe=37.7(MB,B)Mg=52.9(MB,B) Mn=1.3/B/He=0.711/HT\Se=1U1/N\A==211/N\N=77.2(MB,B)
FB2-1	120961	Al=41.48-8b=14.0UN/Ba=1.18Ca=249B/Fe=40.3BA/g=66.5B/ Mn=1.18Ca=1.0UN/As=2.0UN/N=12B.usf	Al=41.4(f/MB, B., 95b=14Uf(N)/Me=1.15(B)/Ca=249f(MB,B)/Fe=40.3(f/MB,B)/Mg=66.51(MM,B)/Mn=1.11/R)/He=0.31(f/MB,B)/Mg=66.51(MM,B)/Mn=1.11/R)/He=0.31(f/MB,B)/Mg=66.51(MM,B)/Mn=1.11/R)/He=0.31(f/MB,B)/Mg=66.51(MM,B)/Mn=1.11/R)/He=0.31(f/MB,B)/Mg=66.51(MM,B)/Mn=1.11/R)/He=0.31(f/MB,B)/Mg=66.51(MM,B)/Mn=1.11/R)/He=0.31(f/MB,B)/Mg=66.51(MM,B)/Mn=1.11/R)/He=0.31(f/MB,B)/Mg=66.51(MM,B)/Mn=1.11/R)/He=0.31(f/MB,B)/Mg=66.51(MM,B)/Mn=1.11/R)/He=0.31(f/MB,B)/Mg=66.51(MM,B)/Mn=1.11/R)/He=0.31(f/MB,B)/Mg=66.51(MM,B)/Mn=1.11/R)/He=0.31(f/MB,B)/Mg=66.51(MM,B)/Mn=1.11/R)/He=0.31(f/MB,B)/Mg=66.51(MM,B)/Mn=1.11/R)/He=0.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/Mg=60.31(f/MB,B)/M
MW2-01	120959	A=3660F78=14.0UN/A=24.0R=313Re=1.5BCn=379000/ C=69.1/Co=27.9B/Cu=62.3Re=587007b=43.4Mg=118000/ Mn=1270Ni=78.5K=11700s=0.0UNWAg=2.0UNNA=22200/ Tl=1.0UW/A=79.1Zn=179.4s1	Al=30600(°)26=14UJ(N)Be=1.0J(B)Co=27.3J(B)Hg=0.2UJ(HT)Ae=1UJ(N)Ag=2UJ(N)
MW2-01R	120960		Al=2570Q(*)Sb=171(N,B)/Be=1.51(B)/Co=24.91(B)/Hg=0.2UJ(HT)/Se=1UJ(N)/Ag=2UJ(N)
MW1-01	120958	A=29400°78=4.28N/A=42.4/Ba=369/Ba=1.5B/Ca=324000/ Cr=60.9/Co=25.4B/Cu=79.6/Fa=36000/Fb=49.0Mg=66100/ Ma=1140Ni=74.1/K=11400/So=1.0UNW/Ag=2.0UN/Na=10400/ V=79.1/Za=221 µg/	Al=2940Q°)3b=14.2I(N,B)/Be=1.8J(B)/Co=25.4J(B)/Hg=0.2UJ(HT)/Se=1UJ(N)/Ag=2UJ(N)
SOILS SB4-1-1	13115	As=3.6GBN/Pb=12.10N*Se=0.23UN/TI=0.33UNW mg/kg	A==3.6[N)Pb=121R(N)&==0.23UJ(N)T1=0.33UJ(N)
SB4-1-2	13116	As=7.16N/Pb=10.30N*Se=0.23UN/TI=0.34UNW mg/kg	As=7.13(N)78=10.3R(N)50=0.23UJ(N)71=0.34UJ(N)
SB3-1-0	13161	AB=4,00XN/t0=10,50X - 59=-0,40X/11=0,50XV - BJEE Sb=4,40XN/Ax=3,208N/B=0,01B(0=2,70X - 23,10X) - 24,30/ B=-4,40XN/Ax=3,44,00x - 0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0,42XN/T=0	/w==m/n/r/c==tu-n(r/ye==tu-nu-1/r/ye==0.81/B)/r/s==3.5U/N)/m=0.35U/N)
SB3-2-1	13182	S0=4,10UN/As=4,50V/R0=0,4,50CM,11=0,5,50CM V/Zd=0,0,0 MBLE Sb=4,10UN/As=4,50V/R0=0,56B/Cd=1,20VC=15,30/Cu=16,10/ Pb=1,4,50VRA=0,1,00VC=0,20VC=1,00V/Ca=6,4,0	8b=4.1UJ(N)/As=4.M(N)/Bs=0.58/(B)/Cd=2J(FB)/Cu=18.1J(FB)/Fb=3.6R(N) S==0.2411/N)/Tn=0.3411/N)
SB3-1-6	13183	Sb=4,00UN/As=5,108/Be=0.56BCd=2,00Cn=16,30Cn=23,90/ sb=4,00UN/As=5,100Rn=0.34TNT-0.44TNW/Z=64,10 ==0.44	SpeedU(N)/4=5.13(N)/50(B)/Cd = 23(FB)/Fb=5.5R(N)/ SpeedU(N)/FpeedU(N)/FpeedU(B)/Cd = 23(FB)/Fb=5.5R(N)/50(FF)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU(N)/FpeedU
SB3~1~9	13164	Sb=3.90UN/A=5.90N/Be=0.24B/Cd=1.50C=6.50/Cu=18.00/ Sb=3.90UN/A=5.90N/Be=0.24B/Cd=1.50C=6.50/Cu=18.00/	Sb=30U(1/N/A=50f(N)Sb=0.24(B)/Cd=1.51(FB)/Cu=18U(FB)/Fb=5.8R(N) S==0.2111(N).T==0.211(B)
SB4-2-1	13165	As=6.50N/Pb=10.50N*/Sb=0.22UN/II=0.32UNW mg/kg As=6.40N/Pb=10.00N*/Sb=0.32UN/II=0.32UNW mg/kg As=6.40N/Pb=10.40N*/Sb=0.34UN/II=0.34UNW mg/kg	54=05107(1%) 11-05-107(1) 54=651(1/1) 11-05-107(1) 11-05-107(1) 5=651(1/1) 11-05-107(1) 11-05-107(1) 5=651(1/1) 11-05-107(1) 11-05-107(1)
SB3-1-1	13114	Sb=3.80UN/As=12.60WBe=0.34B/Cd=1.804Cr=9.40/Cu=26.20/ Pb=11.30W*Nl=24.10Se=0.21UNW/T1=0.31UNW/Zs=75.70 mg/kg	
SOILS SBIA-1-5	120952	Ai=11500Sb=33UN/As=10.6N*/Rs=63.6/Rs=0.60R/Cs=79200 Cr=19.5/Co=10.0R/Cs=47.6/Rs=24500*/Rb=11.4M.g=18000/	\$b=\$3UJ(N)/As=10.6R(N)0.6J(B)/Co=10J(B)/Mn=370J(N)/Hg=0.12UJ(HT)/Ns=15GJ(FR.B)
\$B1A-1-5R	120953	Ma=370N/N=30.4/K=2890Na=156BV=27.8/Za=108° mg/kg A=160035b=3.2/UN/A=9.0/W7B=92.2/Be=0.6180/a=0.34B/ Ca=78900C=19.0/Co=12.2/Ca=25.0/Fe=23.430°/Fb=10.5/ Mg=17700Mn=420N/N=30.2/K=27608o=0.23/UW/Na=146B/	Sb=3.2UJ(N)/4a=9R(N)/Be=0.61J(B)/Cd=0.34J(B)/Mn=420J(N)/Hg=0.11UJ(HT)/Nn=146J(PR,B)/ T1=0.24J(MB,B)
SBI 2 5	120936	11=0.748V-25.22C=10.00 mg/kg A=685.08b=3.38W/A=7.8N°.78e=75.79e=0.428/Cd=0.458/ Ca=79500Cy=16.1/Co=9.78/Cu=28.2/Fe=2000°/Pb=10.9/ Mg=1700Ma=40.1Wni=29.3/K=2210/Na=1698/Ti=0.268/ V=70.477.777 me/ks	Sb=33UJ(N)/As=7.8R(N)/Bs=0.42I(B)/Cd=0.45I(B)/Co=9.7J(B)/Mn=401J(N)/Hg=0.10UJ(HT)/ Na=169J(FB,B)/T1=0.2d(MB,B)
8B1-2-5R	120957	A=95208b=35UN/A=6.7N*PB=79.BPe=0.46B;Cd=0.73B/ Cn=66700°Cr=17.3/Co=9.9B/Cu=23.0Fe=20500*/Fb=10.7/ Mg=16400Mu=420V(Ni=30.6/K=2300/Na=163BV=21.6/ Tn=67.7***********************************	Sb=3.3U3(N)/As=6.7R(N)/Bs=0.46I(B)/Cd=0.73I(B)/Co=9.9I(B)/Mn=420I(N)/Hg=0.11U3(HT)/ Nn=165I(FB,B)
SB1A-3-4	120954	A=1040035b=3.UN/As=5.7N°/Bs=88.0/Bs=0.45B/Cd=0.71B/ Ca=83700Cc=19.3/Co=10.0/BCu=43.7/Fs=19900°/Fb=13.8/ Mg=18700Mn=3.71NN1=9.0/Ks=2530So=0.42B/Ns=165B/ T1=11BV=35.772n=95.4 make	Sb=3.3UJ(N)/As=5.7R(N)/Bs=0.45J(B)/Cd=0.71J(B)/Co=10J(B)/Mn=371J(N)/Hg=0.10UJ(HT)/ So=0.42J(B)/Ns=165J(FB,B)/Tl=1.1J(M,B,B)
SBIA-3-4R	120955		Sb=3.2U,(N)/As=11.8R(N)/Bs=0.54J(B)/Cd=0.46J(B)/Co=11.2J(B)Mn=487J(N)/Hg=0.10UJ(HT) Nn=165J(FB,B)

Footnotes to Tables F-19a through F-19f. Priority Pollutant Metals Data Validation Worksheets Indiana Air National Guard Base, Fort Wayne, Indiana

CLP holding time for metals is 6 months, except Hg, which will be analyzed 28 days from sample collection.

Control limits for initial calibrations:

Percent recoveries (%R) must be greater than 90.0% and less than 110.0% for all metals except mercury (80-120 %R).

Control limits for continuing calibrations:

Percent recoveries (%R) must be greater than 90.0% and less than 110.0% for all metals exept mercury (80-120 %R) Control limits for ICP interference check sample (ICS) are 80-120 percent recoveries for all elements.

Blank spike control limits are 80-120 percent recovery.

Spike sample control limits are 75-125% for all elements for analytes.

RPD control limits must not exceed 20 percent for water sample and 35 percent for soil sample.

Laboratory control sample (LCS) control limits are 80-120 percent recovery.

• - Duplicate analysis outside control limits.

E - Concentration was estimated due to the presence of interferents.

B - Concentration is greater than or equal to the instrument detection limit (IDL), but less

than the contract required detection limit (CRDL)

S - The reported value was determined by the method of standard additions (MSA). N - Spiked sample recovery outside control limits.

U - Analyte was analyzed but not detected.

M - Duplicate injection precision not met.

W - Post - digestion spike for furnace AA analysis is outside control limits (85-115%), while sampling absorbance is less than 50% of spike absorbance. - Correlation coefficient for MSA is less than 0.995. Continuing Calibration Verification — At a frequency of 10 percent and every 2 hours, a CCV standard was analyzed. Following the standard analysis, percent recovery values were calculated for each element to ensure calibration accuracy during each analysis run. Priority pollutant metals CCV criteria requirements included 80 to 120 percent for mercury and 90 to 110 percent for all other elements, as specified by the DOE/HWP-65/R1. Based on an evaluation of the initial calibrations conducted, all percent recovery values were within control limits.

Method Blanks — One method blank analysis was conducted with each batch of environmental samples analyzed for priority pollutant metals. Each method blank was evaluated for interferents that might potentially interfere with accurate quantitation of a target element. According to CLP criteria, a laboratory blank may not contain any target element concentration greater than the CRDL. Based on an evaluation of all method blanks (i.e., initial calibration blanks [ICBs], continuing calibration blanks [CCBs], and preparation blanks [PBs]) analyzed by the NET Laboratory, no interferents were detected in concentrations greater than the absolute CRDL value. However, numerous interferents were detected at concentrations greater than the IDL and less than the CRDL in many laboratory method blanks. All elements detected in the laboratory method blanks are presented in Table F-19. Data validation qualifiers (i.e., "J[MB]") were applied to all elements detected in the environmental samples in concentrations less than five times that detected in an associated laboratory method blank. All results are presented in Tables F-19 and in the data presentation tables located in Appendix E.

Interference Check Sample (ICS) Analysis — To verify ICAP interelement and background correction factors, one ICS was analyzed at the beginning and end of each sample analysis run, or twice per 8-hour work period, whichever was more frequent. Each element in the ICS solution AB must be recovered within 20 percent of the true concentration of that element in the ICS solution AB. ICS criteria requirements are described in the SOW prepared for the Indiana ANGB SI. Based on an evaluation of the interference check sample analyses conducted for priority pollutant metals in soil and groundwater, all recovery criteria were within control limits.

Spiked Sample Analysis — Spiked sample analyses were conducted to assess the accuracy of the laboratory and to evaluate the matrix effect of the sample upon the analytical methodology based upon the percent recovery of each element. Accuracy was expressed as the percent recovery of the spiked compounds. The control limits for percent recoveries in soil and water samples were described in the DOE/HWP-65/R1. Spiked samples were evaluated to verify that 1 spiked sample analysis was conducted for each 20 environmental samples received by the laboratory (excluding dilutions and reanalyses conducted), that these analyses were conducted on environmental samples only, and that the recovery results did not indicate systematic laboratory control problems. Tables F-20 and F-21 summarizes the matrix spike results for soil and groundwater samples.

Six spiked sample analyses (i.e., SB4-01-02, SB4-05-02, BG2-1-1, SB1A-3-3, SB3-1-1, and SB1A-1-5) were conducted using soil samples collected during the Indiana ANGB SI. All percent recoveries were within the control limits, except antimony (0 percent) and arsenic (131 percent) in SB4-01-02; antimony (0 percent) and arsenic (165.4 percent) in SB4-05-02; antimony (42.8 percent), copper (51.6 percent), manganese (305.6 percent), and lead (39.5 percent) in BG2-1-1; antimony (59.4 percent) and selenium (59.6 percent) in SB1A-3-3; antimony (37.4 percent), arsenic (135.8 percent), lead (-138 percent), selenium (68 percent), and thallium (59.6 percent) in SB3-1-1; antimony (39.1 percent), arsenic (25.6 percent), and manganese (34.6 percent) in SB1A-1-5.

Antimony, arsenic, and lead in selected soil samples have been rejected (i.e., all undetected and detected results were presented in the data presentation tables as "R[N]") to indicate that the percent recoveries in the associated spike sample analyses were less than 30 percent. Antimony, copper, lead, manganese, selenium, and thallium results in selected samples have been estimated (i.e., all undetected results and detected values were presented in the data presentation tables as "UJ[N]" and "J[N]", respectively) to indicate that the percent recoveries in the associated spike sample analyses were less than 75 percent, but greater than 30 percent. Arsenic and manganese results in selected samples have been estimated (i.e., all detected results were presented in the data presentation tables as "J[N]") to indicate that the percent recoveries

TABLEF-20. PRIORITY POLLUANT METALS MATRIX SPIKE AND LABORATORY DUPLICATE QC SUMMARY: GROUNDWATER INDIANA

PRECISION	R NUMBER NUMBER LAB. DUPLICATE RANGE RPD WITHIN OUTSIDE TOTAL No. RANGE RPD WITHIN OUTSIDE TOTAL No. RANGE RPD LIMITS CONTROL LIMITS CONTROL LIMITS CONTROL LIMITS	2 0 2 (4.5-26.9)	3 (NC-673)	3 (00-14.5)	125) 2 (0.3-1.9) 20 2 (0.1-1.9) 20 4 (0.1-1.9) 20 4 0	4 (NC-42.2)	NR 2 (0.1-2.8)	4 (3.1-200)	4 0 2 (3.4-6)	4 (2–58.8)	2 (1.7-5) 20 2	(0.7–18.4)	NR 2 (0.3-1.2)	2 0 0.3-0.6)	3 NC	4 (4.2-7.6) 20 4	NR	1 2 3 (NC-200) 20 3	4 NC 20 4	NR 2 (0.7-0.9)	A NC 20	2 0 2 (7.1–32.2) 20 2	
	NUMBER OUTSIDE CONTROL LIMITS	0	-	0 6		0		•		•					•	_						0	•
ACCURACY	%R CONTROL LIMITS	_		_	8.2) (75–125) 05) (75–125)			_	(75–125)	(75–125)	(75–125)	(75–125)		(75–125)	(75–125)	(75–125)	•	(75–125)	(75–125)	•	(75–125)		
	MATRIX SPIKE PERCENT TOTAL No. RECOVERY ANALYSES RANGES	2 [(-30)-45.7]	(61.6–93.9)	3 (88.1–104.1	2 (85.4–88.2) 4 (87.5–105)	(6:-100)	ž	4 (80.6-197)	2 (81.9-88.6)	(86.1–95.2)	2 (52.8–192.5)	5 (93–107.2)	ZZ.	2 (90.9–91.1)	3 (91.6–115)	4 (82.4–98.8)	ZZ.	3 (43.5–104.6)	4 (74.9–92)	ž	(83.1–115.9)	(82.4-90.1)	1000
	PARAMETER	Auminum	Antimony	Arsenic	Berlin	Cadmium	Calcium	Chromium	Coperi	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Zckel	Potassium	Selenium	Silver	Sodium	Thellium	Vanadium	7

MATRIX SPIKE AND DUPLICATE ANALYSES PERFORMED ON SAMPLES: MW4-02 [14358] (LEAD ONLY), MW4-02, MW1-02 [119630], MW1-02 (ARSENIC, LEAD, AND SELENTUM), MW1-01, MW2-01R (MERCURY ONLY) AND MW2-01.

NC-NOT CALCULABLE (SAMPLE AND DUPLICATE RESULTS NON-DETECTED). NR-ANALYSIS NOT REQUIRED

TABLEF-21. PRIORITY POLLUANT METALS MATRIX SPIKE AND LABORATORY DUPLICATE OC SUMMARY: SOIL/SEDIMENT INDIANA ANGBFORT WAYNE, INDIANA

		ACG	ACCURACY					PRECISION	NO	
PARAMETER	MATRIX SPIKE TOTAL No. ANALYSES	PERCENT RECOVERY RANGES	%R CONTROL LIMITS	NUMBER WITHIN CONTROL LIMITS	NUMBER OUTSIDE CONTROL LIMITS	LAB. DUPLICATE TOTAL No. ANALYSES	RANGE	RPD	NUMBER WITHIN CONTROL LIMITS	NUMBER OUTSIDE CONTROL LIMITS
Auminum	AN AN			A.R.	A.R.	3	(0.3-49.6)	35	8	0
Antimony	•	(0-59.4)	(75-125)	•	9	•	(14.5 - 37.6)	35	•	0
Arsenic	•	(25.6-165.4)	(75–125)	7	*	•	(2-52.2)	35	vo	_
Barium	60	(95-104)	(75-125)	60	•	e	(0.0-45)	35	80	•
Beryllium	•	(90.8-104.2)	(75-125)	•	•	9	(0.5-20.9)	35	•	•
Cadmium	•	(85-108.7)	(75-125)	•	•	9	(4.4-84.7)	35	•	•
Calcium	XX			¥	Ę	•	(0.2-200)	35		•
Chromium	•	(84.7-103.9)	(75–125)	•	•	•	(0.2-89.6)	35	•	•
Cobalt		(87.1-101.5)	(75-125)	60	0		(0.1-200)	35	m	•
Copper	9	(51.6-112.5)	(75–125)	×	_	•	(1.1-88.9)	35	'n	_
Iron	ž			ž	¥	3	(0.4-30.6)	35	•	•
Lead	-	[(-138)-315.8)]	(75–125)	•	_	7	(1.2-93.8)	35	٧,	7
Magnesium	NR.	:		ž	£	8	(1.8-57.8)	35	•	0
Manganese	6	(34.6-305.9)	(75–125)		~	60	(0.1-90.1)	38	7	_
Mercury	•	(91.4-124.1)	(75-125)	•	0	•	S	35	•	•
Neka	•	(81.9-100.7)	(75–125)	•	0	•	(0.1-200)	35	•	•
Potassium	ž			ž	ž	m	(1.3-95.2)	35		0
Selenium	9	(59.6-93)	(75-125)	→	7	•	(0-1.1)	35	•	0
Silver	9	(81.2-102)	(75–125)	•	0	•	(0-11.5)	35	•	0
Sodium	£	,		ž	XX	60	(0.4-71.1)	35	60	0
Thalium	•	(59.6-104.7)	(75-125)	*		•	Ž	35	•	0
Vanadium		(86.2-100.9)	(75–125)	••	•	60	(1-31.3)	3\$	m	0
Zinc	•	(82.4-97.9)	(75–125)	۰	•	•	(0.7 - 133.5)	35	v o	0
	1									

MATRIX SPIKE AND MATRIX SPIKE DUPLICATE PERFORMED ON SAMPLES SB4-01-02, SB4-05-02, SED-2 (LEAD ONLY), BG2-1-1, SB1A-3-3, SB3-1-1, AND SB1A-1-5. NC-NOT CALCULABLE (SAMPLE AND DUPLICATE RESULTS NON-DETECTED). NR-ANALYSIS NOT REQUIRED

for spike sample analyses were greater than 125 percent. These results are presented in Tables F-20 and F-21 and in the data presentation tables located in Appendix E.

One matrix spike analysis (i.e., SED-2 [lead only]) was conducted using the sediment sample collected at the Indiana ANGB. All recoveries were within the control limits.

Seven matrix spike analyses (i.e., MW1-02, MW2-01, MW4-02, MW4-02 [14358] [lead only], MW1-02 [119630], MW1-01, and MW2-01R [mercury only]) were conducted using the groundwater samples collected at the Indiana ANGB. All recoveries were within the control limits, except selenium (43.5 percent) in MW1-02 (119630); antimony (61.6 percent) and selenium (57 percent) in MW1-01. Antimony and selenium in selected samples have been estimated (i.e., all undetected and detected values were presented in the data presentation tables as "UJ[N]" and "J[N]", respectively) to indicate that the percent recoveries in the associated spike sample analyses were less than 75 percent, but greater than 30 percent. These results are presented in Tables F-20 and F-21 and in the data presentation tables located in Appendix E.

Duplicate Sample Analyses — Duplicate samples were analyzed and the RPD value of each detected element was calculated. A control limit of 35 percent RPD in soil samples and a control limit of 20 percent RPD in water samples were used for original and duplicate sample values greater or equal to 5 times the CRDL. A control limit of plus or minus 2 times the CRDL in soil samples and plus or minus the CRDL in water samples were used for original samples or duplicate values less than 5 times the CRDL. Duplicate samples were evaluated to verify that 1 duplicate sample analysis was conducted for each 20 environmental samples received by the laboratory (excluding dilutions and reanalyses conducted), that these analyses were conducted on environmental samples only, and that the difference results did not indicate systematic laboratory control problems. Precision was expressed as the RPD of the concentrations of the elements detected in the duplicate samples. Duplicate soil and groundwater sample results are summarized in Tables F-20 and F-21.

Six duplicate sample analyses (i.e., SB4-01-02, SB4-05-02, BG2-1-1, SB1A-3-3, SB3-1-1, and SB1A-1-5) were conducted using soil samples collected during the Indiana ANGB

SI. All criteria were within the control limits, except copper (88.9 percent) and manganese (67.3 percent) in BG2-1-1, arsenic (52.2 percent) in SB1A-3-3, lead (93.8 percent) in SB3-1-1; and arsenic (56 percent) in SB1A-1-5. As a result, data validation qualifiers (i.e., presented as "J[*]") were applied to the copper, manganese, lead, and arsenic in selected samples associated with these duplicate samples. These results are presented in Tables F-20 and F-21 and in the data presentation tables located in Appendix E.

One duplicate sample analysis (i.e., SED-2 [lead only]) was conducted using the sediment samples collected at the Indiana ANGB. One lead RPD value was outside the control limits (35.6 percent), and as a result, data validation qualifiers were applied to all associated sample results.

Seven duplicate sample analyses (i.e., MW1-02, MW2-01, MW4-02, MW4-02 [14358], MW1-02 [119630], MW1-01, MW2-01R [mercury only]) were conducted using groundwater samples collected at the Indiana ANGB. All RPD values were within the control limits.

Laboratory Check Sample (LCS) Analysis — One LCS analysis was conducted with each batch of soil and groundwater samples analyzed by the NET Laboratory, as required by DOE/HWP-65/R1. The recovery results of each LCS analyzed were evaluated against a 80 to 120 percent control limit for all elements. Based on an evaluation of the LCS analyses conducted, all acceptance criteria were met.

Significant Qualified Sample Results — Data validation qualifiers have been applied to selected environmental sample results to indicate that these results were considered estimated due to holding time, method blank interference, matrix spike recoveries, duplicate sample RPD values, and detection limit considerations (i.e., values reported at concentrations less than the CRDL but greater than the instrument detection limit [IDL] and qualified by the laboratory ["B"]). These qualifiers were applied to all data presented in the data summary tables within the SI report text and in the comprehensive data presentation tables in Appendix E, in addition to the data validation worksheets previously cited.

F.3.3.2 Total Petroleum Hydrocarbon (TPH) Analysis (EPA Method 3550/418.1) and Oil and Grease

Seventy soil samples, 2 sediment samples, 12 groundwater samples, and 13 field QC (i.e., field blank and equipment blank) were collected during the Indiana ANGB SI and were analyzed for TPH analysis by NET Laboratory using EPA Method 3550/418.1. Two groundwater samples (i.e., MW2-01 and MW2-01R), 5 soil samples (i.e., SB3-1-1, SB3-2-2, SB3-2-1, SB3-1-6, and SB3-1-9), and 4 field QC blanks (i.e., EB3-1, EB2-1, FB2-1, and FB4-1) were analyzed for oil and grease using EPA Method 3550/413.1. Eight soil samples, 4 groundwater samples, and 2 field QC (i.e., EB4-1 and FB4-1) were collected and analyzed for TPH as diesel and motor oil. Data quality was evaluated using the guidelines and control limit specified for holding times, instrument calibration, method blank, laboratory control sample, and MS/MSDs. The TPH (as diesel and motor oil) data was evaluated for holding time only. A presentation of the significant qualified sample results follows the laboratory QC results discussion. The data validation worksheets are presented in Tables F-22.

Holding Times — The NET Laboratory was required to meet a 28-day holding time for water and soil samples collected for TPH, oil and grease, and TPH as diesel and motor oil. Based on evaluation of all environmental samples and field QC blanks extracted and analyzed for TPH, oil and grease, and TPH as diesel and motor oil all holding time criteria were met, except in FB-1 (3 days), FB-2 (3 days), EW-1 (3 days), EW-3 (2 days), SB2-01-01 (8 days), SB4-01-01 (1 day), SB4-01-02 (1 day), SB4-02-01 (3 days), SB4-02-02 (1 day), SB4-03-01 (3 days), SB4-03-02 (1 day), SB4-04-04 (1 day), SB4-04-02 (1 day), SB4-05-01 (3 days), SB4-05-02 (1 day), SD4-01 (2 days), and SD4-02 (2 days). The TPH results for the samples listed above were estimated to indicate the exceeded holding time (i.e., all undetected value will be presented in the comprehensive data tables as "UJ[HT]") and all detected value will be presented in the comprehensive data tables as "J[HT]").

Instrument Calibration — Calibration of the infrared spectrophotometer was established by injecting a blank and five standards to ensure that the instrument is capable of producing acceptable quantitative data. The NET Laboratory was required by DOE/HWP-65/R1 to conduct an initial calibration every 12 hours and to ensure that the correlation coefficient for the

Correlation	Coefficient	7866 7866 7866 7866 7866 7866 7866 7866	7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 TO 7666 T	9466 () 9466 () 9466 () 9466 () 9466 () 9466 () 9466 () 9466 () 9466 () 9466 () 9466 () 9466 () 9466 () 9466 ()	786.0 786.0 786.0 786.0 786.0 786.0 786.0 786.0 786.0 786.0 786.0 786.0 786.0 786.0 786.0 786.0 786.0 786.0	11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065 11065
Date 5-Point	Calibration	0972890 0972890 0972890 0972890 0972890 0972890	10/1290 10/1290 10/1290 10/1290 10/1290 10/1290 10/1290	942599 942599 942599 942599 942599 942599 942599 942599 942599	001100 001100 001100 001100 001100 001100 001100 001100 001100 001100 001100 001100 001100 001100	05-05-05-05-05-05-05-05-05-05-05-05-05-0
Blank	Analysis	NO INTERPENCE DETECTED	NO INTERPERENCE DETECTED	NO INTERPRENCE DETECTED	NO INTERFERENCE DETECTED	NO INTENFERENCE DETECTED
PRECISION	Sample	DATA NOT PROVIDED	DATA NOT PROVIDED	(SEZ-0)-19 RECOVERY VALUE (75-1284) AND RPD VALUE (= 35) WITHIN CONTROL LIMITS	(SEE 5B2-01-19)	(61 – 10 – 285 RES.)
Spike	Sample	DATA NOT PROVIDED	DATA NOT PROVIDED	<u>(第2-01-19</u> RECOVERY VALUE WITHIN LIMITS (78-1284)	(See 522-01-19)	(SEE SEC-01-19)
Laboratory	Sample(LCS)	MRB 1859 ALL PERCENT DATA NOT PROVIDED RECOVERIES WITHIN CONTROL LIMITS (80-120%)	<u>MBE 113 </u> ALL PERCENT DATA NOT PROVIDED RECOVERIES WITHIN CONTROL LIMITS (80-120%)	MEST TO ALL PERCENT CONTROL LIMITS (75-125%)	MESSIVENT ALL PERCENT (SECOVERIES WITHIN CONTROL LIMITS (35-122%)	MES 193) ALL PENCENT RECOVERIES WITHIN CONTROL LIMITS (75-12%)
Holding	- 1	NA 31 DAYS 31 DAYS 31 DAYS 30 DAYS 28 DAYS 17 DAYS 17 DAYS	NA 28DAYS 28DAYS 28DAYS 28DAYS 27DAYS 27DAYS 26DAYS 26DAYS 26DAYS	NA 29 DAYS 29 DAYS 28 DAYS 28 DAYS 28 DAYS 27 DAYS 27 DAYS 27 DAYS 27 DAYS 27 DAYS 27 DAYS	NA 31 DAYS 31 DAYS 31 DAYS 32 DAYS 32 DAYS 32 DAYS 32 DAYS 32 DAYS 32 DAYS 32 DAYS 33 DAYS	NA 30DAYS 30DAYS 22DAYS 22DAYS
Date	Analyzed	0972490 0972490 0972490 0972490 0972490 0972490	10/12/90 10/12/90 10/12/90 10/12/90 10/12/90 10/12/90 10/12/90	97.2599 97.2599 97.2599 97.2599 97.2599 97.2599 97.2599 97.2599 97.2599 97.2599	09/20/90 09/20/90 09/20/90 09/20/90 09/20/90 09/20/90 09/20/90 09/20/90 09/20/90 09/20/90 09/20/90 09/20/90 09/20/90	09/30/90 09/30/90 09/30/90 09/30/90
Date	Extracted	09/24/90 09/24/90 09/24/90 09/24/90 09/24/90 09/24/90 09/24/90	10/09/90 10/09/90 10/09/90 10/09/90 10/09/90 10/09/90 10/09/90	04/2/50 04/2/50 04/2/50 04/2/50 04/2/50 04/2/50 04/2/50 04/2/50 04/2/50 04/2/50	97.279 99.279 99.279 99.279 99.279 99.279 99.279 99.279 99.279	09/22/90 09/22/90 09/22/90 09/22/90
Date	Collected	NA 08/28/50 08/28/50 08/28/90 08/11/90 09/11/90	NA 09/14/90 09/14/90 09/14/90 09/14/90 09/15/90 09/15/90 09/16/90	NA 08/2790 08/2790 08/2890 08/2890 08/2890 08/2890 08/2890 08/2890 08/2890 08/2890 08/2890	NA 08/3/9/9 08/3/9/9 08/3/9/9 08/3/9/9 08/3/9/9 08/3/9/9 08/3/9/9 08/3/9/9 08/3/9/9 08/3/9/9 08/3/9/9 08/3/9/9	NA 08/31/90 08/31/90 09/08/90
Laboratory Identification	Number	MEN 185 90021709 90021709 90021008 90022000 90022000	MB213 9002401 9002401 9002401 90025102 90025103 90025104 90025104	MB179 90021701 90021703 90021703 90021704 90021706 90021706 90021706 90021801 90021801 90021801 90021801 90021801 90021801 90021801 90021801 90021801 90021801 90021801	MB191 9002200 9002201 9002200 9002200 9002200 9002200 9002200 9002201 9002211 9002211	MB195 90022402 90022403 90023601 90023602
SAIC Semple	Number	WATIEKS WETHOD BLANK PB-1 IB-2 EW-1 EW-5 FW-3 NW4-2	METHOD BLANK P-2 EW-07 MW2-01 MW1-01 WW1-01 EW-08 EW-08 EW-09 F-6 HT-01	SOLL 8 METHOD BLANK 881-01-12 581-02-02 581-03-03 581-03-03 581-03-03 581-03-03 581-03-03 581-03-03 581-03-03 581-03-03 581-03-03 581-03-03 581-03-03 582-01-19 582-01-19 582-01-19 582-01-19 582-01-19 582-01-19 582-01-19	SOILS NETHON BLANK SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC-0-1 SEC	SOILS METHOD BLANK SD4-01 SD4-02 SB1-04-01 SB1-04-02

March Sample		Laboratory	Post - run	Red	Equipment	Significant	Data
Mail	SAIC Sample Number	Identification Number	Check Point	EMARK Analyzia	Analyzia	Sample Results	
Mail	WATERS						
Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder Wilder W	CETHOD BLANK	MBIES	2.2%	4	< < Z Z	Note Detected	CHUKHID
OCCENTION NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA	- T	90021709	2.2%	Y.	۲ ۲	None Detected	(TH)(UI
Vol. Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles	:A-1	90021710	2.2%	YN:	ž	None Detected	1UJ(HT)
VIX. MEI.75 12.24 W. A. N. N. N. N. N. N. N.	28-3 28-5	90021806	2.2%	₹ X	< < Z Z	Natio Detected Natio Detected	None Applied
NA	8-B	90023406	2.2%	X.	Y.	Nane Detected	None Applied
NA Name Description NA NA Name Description NA NA Name Description NA NA Name Description NA NA NA NA Description NA NA NA Description NA NA NA Description NA NA NA Description NA NA NA Description NA NA NA Description NA NA NA NA NA Description NA NA NA NA NA Description NA NA NA NA NA NA NA N	IW4-2	80023901	2.2%	S - 52	EW-3	Note Detected	nemidy emov
OCCUSATION 6.6% FPB—03 EW—66 Name Descended 000206801 6.6% FPB—03 EW—67 None Descended 00020610 6.6% FPB—03 EW—67 None Descended 00020110 6.6% FPB—01 EW—67 None Descended 00020110 6.6% FPB—01 EW—67 None Descended 00020110 6.6% FPB—01 EW—67 None Descended 00020110 6.6% FPB—01 EW—67 None Descended 00020110 6.6% FPB—01 EW—67 None Descended 00020110 6.6% FPB—01 EW—67 None Descended 00020110 6.6% FPB—01 EW—67 None Descended <td>RETHOD BLANK</td> <td>MB213</td> <td>8,6%</td> <td>V.</td> <td>×</td> <td>None Detected</td> <td></td>	RETHOD BLANK	MB213	8 ,6%	V.	×	None Detected	
WA	-2	90024801	8.6%	FB-03	EW-06	None Detected	1UJ(HT)
90023001 6.5% FB-03 EW-0409 Name Descend 90023102 6.5% FB-03 EW-0409 Name Descend 90023102 6.5% FB-03 EW-0409 Name Descend 90023103 6.5% FB-03 FW-0409 Name Descend 90023104 6.5% FB-03 FW-0409 Name Descend 90023105 6.5% FB-0102 RW-0409 Name Descend 90023105 6.5% FB-0102 RW-0102 Name Descend 90023107 O% FB-0102 RW-0102 Name Descend 9002107 O% FB-0102 RW-0303 <t< td=""><td>W-07</td><td>90024901</td><td>8.6%</td><td>YN </td><td>ž</td><td>None Detected</td><td>None Applied</td></t<>	W-07	90024901	8.6%	YN	ž	None Detected	None Applied
WINT MB179 6.6% FB—01 EW—04,—09 Name Description 90025105 6.6% FB—10 EW—04,—09 Name Description 90025105 6.6% FB—10 EW—04,—09 Name Description 90025106 6.6% FB—10 EW—04,—09 Name Description 90025107 6.6% FB—10 EW—04,—09 Name Description 90025107 6.6% FB—11,—12 EW—01,—12 Name Description 90025107 6.6% FB—01,—12 EW—01,—12 Name Description 90025107 6.6% FB—01,—12 EW—01,—12 Name Description 90025108 6.6% FB—01,—12 EW—01,—12 Name Description 90025109 6.6% FB—01,—12 EW—01,—12 Name Description 9002109 6.6% FB—01,—12 EW—01,—12 Name Description 9002109 6.6% FB—01,—12 EW—01,—12 Name Description 9002109 6.6% FB—01,—12 EW—03 Name Description 9002109	IW2-01	90024902	80°		70-WH	None Detected	None Amplied
MA	10-1A1	90025102	808	F.B03	EW-04-09	None Detected	Nane Applied
Name	₩-08	90025103	808	YN	×	None Detected	None Applied
NA NA NA NA NA NA NA NA	W-09	90025104	8.6%	V.	Š	None Detected	None Applied
NA NA NA NA NA NA NA NA	- P	90025105	\$0.0 \$0.0	20-02 - 02-03	EW-06-09	None Detected None Detected	None Applied None Amolled
NA NA NA NA NA NA NA NA	;		<u> </u>	}			:
VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALUE VALU	OILS		į	ž	;		
90021702 05% FB-01,-02 EW-01,-02 None Detected 90021703 05% FB-01,-02 EW-01,-02 None Detected 90021703 05% FB-01,-02 EW-01,-02 None Detected 90021705 05% FB-01,-02 EW-01,-02 None Detected 90021705 05% FB-01,-02 EW-01,-02 None Detected 90021705 05% FB-01,-02 EW-01,-02 None Detected 90021705 05% FB-01,-02 EW-01,-02 None Detected 90021803 05% FB-01,-02 EW-02 None Detected 90021803 05% FB-01,-02 EW-02 None Detected 90021803 05% FB-01,-02 EW-03 None Detected 90021803 05% FB-01,-02 EW-03 None Detected 90021803 05% FB-01,-02 EW-03 None Detected 9002200 12.2% FB-01,-02 EW-03 None Detected 9002200 12.2% FB-01,-02 EW-04 None Detected 9002200 12.2% FB-01,-02 EW-04 None Detected 9002200 12.2% FB-01,-02 EW-04 None Detected 9002200 12.2% FB-01,-02 EW-04 None Detected 9002200 12.2% FB-01,-02 EW-04 None Detected 9002200 12.2% FB-01,-02 EW-04 None Detected 9002200 12.2% FB-01,-02 EW-04 None Detected 9002200 12.2% FB-01,-02 EW-04 None Detected 9002200 12.2% FB-01,-02 EW-04 None Detected 9002201 12.2% FB-01,-02 EW-04 None Detected 9002201 12.2% FB-01,-02 EW-04 None Detected 9002201 12.2% FB-01,-02 EW-04 None Detected 9002201 12.2% FB-01,-02 EW-04 None Detected 9002201 12.2% FB-01,-02 EW-04 None Detected 9002201 12.2% FB-01,-02 EW-04 None Detected 9002201 12.2% FB-01,-02 EW-04 None Detected 9002201 12.2% FB-01,-02 EW-04 None Detected 9002201 12.2% FB-01,-02 EW-04 None Detected 9002201 12.2% FB-01,-02 EW-04 None Detected 9002201 12.2% FB-01,-02 EW-04 None Detected 9002201 12.2% FB-01,-02 EW-04 None Detected 9002201 Non Applicable FB-01,-02 EW-04 None Detected 9002201 Non Applicable FB-01,-02 EW-04 None Detected 9002201 Non Applicable FB-01,-02 EW-04 None Detected 9002201 Non Applicable FB-01,-02 EW-04 None Detected 9002201 Non Applicable FB-01,-02 EW-04 None Detected 9002201 Non Applicable FB-01,-02 EW-04 None Detected 9002201 Non Applicable FB-01,-02 EW-04 None Detected 9002201 Non Applicable FB-01,-02 EW-04 None Detected 9002201 Non Applicable FB-01,-02 EW-04 None Detected 9002201 Non Applicable FB-01,-02 EW-04 None Detected 9002	ETHOD MANA	MB1/9	ŧŧ	78-01-02	NA -01 -02	None Detected	THYCOT
90021703 0% FB-01,-02 EW-01,-02 None Detected 90021704 0% FB-01,-02 EW-01,-03 None Detected 90021705 0% FB-01,-02 EW-01,-03 None Detected 90021707 0% FB-01,-02 EW-01,-03 None Detected 90021707 0% FB-01,-02 EW-01,-03 None Detected 90021801 0% FB-01,-02 EW-03 None Detected 90021802 0% FB-01,-02 EW-03 None Detected 90021803 0% FB-01,-02 EW-03 None Detected 90021804 0% FB-01,-02 EW-03 None Detected 90021806 0% FB-01,-02 EW-03 None Detected SD 90021806 NSD O% FB-01,-02 EW-04 None Detected SD 90021806 MSD O% FB-01,-02 EW-04 None Detected SD 90021806 MSD O% FB-01,-02 EW-04 None Detected	81-01-11	90021702	*	FB-01,-02	EW-0102	None Detected	10UJ(HT)
OVERTION OFF FRB-01,-02 EW-01,-102 Name Descented 90021705 OFF FRB-01,-02 EW-01,-03 Nome Descented 90021707 OFF FRB-01,-02 EW-01,-03 670 mg/kg 90021707 OFF FRB-01,-02 EW-01,-03 670 mg/kg 90021803 OFF FRB-01,-02 EW-01,-03 670 mg/kg 90021803 OFF FRB-01,-02 EW-03 None Descend 90021803 OFF FRB-01,-02 EW-03 None Descend 90021804 OFF FRB-01,-02 EW-03 None Descend 8 90021805 OFF FRB-01,-02 EW-03 None Applicable 8D 90021806 OFF FRB-01,-02 EW-04 None Descend 90022001 2.2% FRB-01,-02 EW-04 None Descend 90022002 2.2% FRB-01,-02 EW-04 None Descend 9002202 2.2% FRB-01,-02 EW-04 None Descend 9002202 2.2% FRB-0	81-03-02	90021703	*	PB-01,-02	EW-0102	None Detected	None Applied
90021 705 099 FB-01,-02 EW-01,-02 670 mg/kg 90021 707 099 FB-01,-02 EW-01,-02 670 mg/kg 90021 707 099 FB-01,-02 EW-01,-02 670 mg/kg 90021 807 099 FB-01,-02 EW-01,-02 670 mg/kg 90021 807 099 FB-01,-02 EW-03 670 mg/kg 90021 804 099 FB-01,-02 EW-03 670 mg/kg 90021 804 099 FB-01,-02 EW-03 890 mg/kg 90021 804 099 FB-01,-02 EW-03 890 mg/kg 90022 801 2.2% FB-01,-02 EW-03 Not Applicable FB-01,-02 EW-03 Not Applicable FB-01,-02 EW-04 None Detected 90022 802 2.2% FB-01,-02 EW-04 None Detected 90022 802 2.2% FB-01,-02 EW-04 None Detected 90022 802 2.2% FB-01,-02 EW-04 None Detected 90022 802 2.2% FB-01,-02 EW-04 None Detected 90022 802 2.2% FB-01,-02 EW-04 None Detected 90022 802 2.2% FB-01,-02 EW-04 None Detected 90022 802 2.2% FB-01,-02 EW-04 None Detected 90022 802 2.2% FB-01,-02 EW-04 None Detected 90022 802 2.2% FB-01,-02 EW-04 None Detected 90022 802 2.2% FB-01,-02 EW-04 None Detected 90022 802 2.2% FB-01,-02 EW-04 None Detected 90022 802 2.2% FB-01,-02 EW-04 None Detected 90022 802 2.2% FB-01,-02 EW-04 None Detected 90022 802 2.2% FB-01,-02 EW-04 None Detected 90022 802 2.2% FB-01,-02 EW-04 None Detected 90022 802 802 802 802 802 802 802 802 802	91-03-05	90021704	\$	FB-01,-02	EW-0102	None Detected	policie Applied
90021707 0% FB-01,-02 EW-01,-02 EW-02 SOUMENS 90021801 0% FB-01,-02 EW-03 Name Delected 90021801 0% FB-01,-02 EW-03 Name Delected 90021802 0% FB-01,-02 EW-03 Name Delected 90021804 0% FB-01,-02 EW-03 Name Delected 90021804 0% FB-01,-02 EW-03 Name Delected 90021806 MS 0% FB-01,-02 EW-03 Not Applicable FB-01,-02 EW-03 Not Applicable FB-01,-02 EW-03 Not Applicable PB-01,-02 EW-04 None Delected 9002203 1.2% FB-01,-02 EW-04 None Delected 9002203 1.2% FB-01,-02 EW-04 None Delected 9002203 1.2% FB-01,-02 EW-04 None Delected 9002203 1.2% FB-01,-02 EW-04 None Delected 9002203 1.2% FB-01,-02 EW-04 None Delected 9002203 1.2% FB-01,-02 EW-04 None Delected 9002203 1.2% FB-01,-02 EW-04 None Delected 9002203 1.2% FB-01,-02 EW-04 None Delected 9002203 1.2% FB-01,-02 EW-04 None Delected 9002203 1.2% FB-01,-02 EW-04 None Delected 9002203 1.2% FB-01,-02 EW-04 None Delected 9002203 1.2% FB-01,-02 EW-04 None Delected 9002203 1.2% FB-01,-02 EW-04 None Delected 9002203 1.2% FB-01,-02 EW-04 None Delected 9002203 1.2% FB-01,-02 EW-04 None Delected 9002203 1.2% FB-01,-02 EW-04 None Delected 9002203 1.2% FB-01,-02 EW-04 None Delected 9002203 Not Applicable FB-01,-02 EW-04 None Delected 9002203 Not Applicable FB-01,-02 EW-04 None Delected 9002203 Not Applicable FB-03 EW-05 1400 mg/kg 90002003 Not Applicable FB-03 EW-05 1400 mg/kg 90002003 Not Applicable FB-03 EW-05 1400 mg/kg 90002003 Not Applicable FB-03 EW-05 1400 mg/kg 90002003 Not Applicable FB-03 EW-05 1400 mg/kg 90002003 Not Applicable FB-03 EW-05 1400 mg/kg 90002003 Not Applicable FB-03 EW-05 1400 mg/kg 90002003 Not Applicable FB-03 EW-05 1400 mg/kg 90002003 Not Applicable FB-03 EW-05 1400 mg/kg 9000200 Not Applicable FB-03 EW-05 1400 mg/kg 9000200 Not Applicable FB-03 EW-05 1400 mg/kg 9000200 Not Applicable FB-03 EW-05 1400 mg/kg 9000200 Not Applicable FB-03 EW-05 1400 mg/kg 9000200 Not Applicable FB-03 EW-05 1400 mg/kg 9000200 Not Applicable FB-03 EW-05 1400 mg/kg 9000200 Not Applicable FB-03 EW-05 1400 mg/kg 900020 Not Applicable FB-03 EW-05 1400 mg/kg 9000200 Not Applicable FB-	81-03-18	90021705	ŧ.	FB-01,-02	EW-0102	None Detected	None Applied
90021801 096 FFB-01,-02 EW-03 GOUNDAR 90021802 096 FFB-01,-02 EW-03 GOUNDAR 90021804 096 FFB-01,-02 EW-03 GOUNDAR 90021804 096 FFB-01,-02 EW-03 GOUNDAR 90021806 MSD 096 FFB-01,-02 EW-03 SOUNDAR 90021806 MSD 096 FFB-01,-02 EW-03 SOUNDAR 90021806 MSD 096 FFB-01,-02 EW-03 SOUNDAR 90021806 MSD 096 FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB-01,-02 EW-04 SOUNDAR 9002201 2.2% FFB		90021700	ŝ	101-102 101-101-102	EW -0102	Note Detected	None Applied
90021802 096 FB-01,-02 EW-03 None Descrid 90021803 096 FB-01,-02 EW-03 None Descrid 90021804 096 FB-01,-02 EW-03 None Descrid 90021805 096 FB-01,-02 EW-03 None Descrid \$1 90021806 MS FB-01,-02 EW-03 None Applicable \$1 90021806 MS FB-01,-02 EW-03 None Applicable \$1 90021806 MS FB-01,-02 EW-03 Non Applicable \$1 90022301 2.2% FB-01,-02 EW-04 Non Applicable \$1 90022302 2.2% FB-01,-02 EW-04 Non Applicable \$1 90022303 2.2% FB-01,-02 EW-04 Non Applicable \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$2 \$1 \$1 \$2 \$1 \$2 \$1 \$2 \$2 \$2 \$2 \$2	81-02-03	90021801	8	FB-01,-02	EW-03	630 mg/kg	Nane Applied
90021803 0% FB-01,-02 EW-03 S900 mg/kg 90021804 0% FB-01,-02 EW-03 S900 mg/kg FB-01,-02 EW-03 S900 mg/kg FB-01,-02 EW-03 S900 mg/kg FB-01,-02 EW-03 S900 mg/kg FB-01,-02 EW-03 Not Applicable S0002300 2.2% FB-01,-02 EW-04 S000 mg/kg S9002300 2.2% FB-01,-02 EW-04 S000 mg/kg S9002300 2.2% FB-01,-02 EW-04 S000 mg/kg S9002300 2.2% FB-01,-02 EW-04 S000 mg/kg S9002300 2.2% FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-01,-02 EW-04 S000 mg/kg FB-0	B1-02-03R	90021802	*60	PB-01,-02	EW-03	None Detected	None Applied
90021804 096 FB-01,-02 EW-03 5900 mg/kg 48 90021804 096 FB-01,-02 EW-03 Nor Applicable 48 90021806 MSD 096 FB-01,-02 EW-03 Nor Applicable 48 90021806 MSD 096 FB-01,-02 EW-03 Nor Applicable 48 90021806 MSD 096 FB-01,-02 EW-04 Nor Applicable 49 90022301 2.2% FB-01,-02 EW-04 1500 mg/kg 49 90022302 2.2% FB-01,-02 EW-04 1500 mg/kg 49 90022303 2.2% FB-01,-02 EW-04 1500 mg/kg 49 90022303 2.2% FB-01,-02 EW-04 1500 mg/kg 49 90022303 2.2% FB-01,-02 EW-04 1500 mg/kg 49 90022303 2.2% FB-01,-02 EW-04 1500 mg/kg 49 90022303 2.2% FB-01,-02 EW-04 1500 mg/kg 49 90022303 2.2% FB-01,-02 EW-04 1500 mg/kg 49 90022303 2.2% FB-01,-02 EW-04 1500 mg/kg 49 90022303 2.2% FB-01,-02 EW-04 1500 mg/kg 49 90022303 2.2% FB-01,-02 EW-04 1500 mg/kg 49 90022303 2.2% FB-01,-02 EW-04 1500 mg/kg 49 90022403 Nor Applicable FB-01,-02 EW-05 2400 mg/kg 49 90022403 Nor Applicable FB-01,-02 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-01,-02 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor Applicable FB-03 EW-05 1400 mg/kg 49 90023403 Nor	B1-02-16	90021803	*	FB-01,-02	EW-03	None Detected	None Applied
485 90021805 MSD 099 FB-01,-02 EW-03 Not Applicable MSD 90021805 MSD 099 FB-01,-02 EW-03 Not Applicable MSD 90021805 MSD 099 FB-01,-02 EW-03 Not Applicable PB-01,-02 EW-04 None Detected 90022303 2.2% FB-01,-02 EW-04 None Detected 90022303 2.2% FB-01,-02 EW-04 None Detected 90022303 2.2% FB-01,-02 EW-04 None Detected 90022304 2.2% FB-01,-02 EW-04 None Detected 90022305 2.2% FB-01,-02 EW-04 None Detected 90022305 2.2% FB-01,-02 EW-04 None Detected 90022305 2.2% FB-01,-02 EW-04 None Detected 90022305 2.2% FB-01,-02 EW-04 None Detected 90022305 2.2% FB-01,-02 EW-04 None Detected 9002231 2.2% FB-01,-02 EW-04 None Detected 9002231 2.2% FB-01,-02 EW-04 None Detected 9002231 2.2% FB-01,-02 EW-04 None Detected 9002231 2.2% FB-01,-02 EW-04 None Detected 9002231 2.2% FB-01,-02 EW-04 None Detected 9002231 2.2% FB-01,-02 EW-04 None Detected 9002231 2.2% FB-01,-02 EW-04 None Detected 9002231 2.2% FB-01,-02 EW-04 None Detected 9002231 2.2% FB-01,-02 EW-04 None Detected 9002231 2.2% FB-01,-02 EW-04 None Detected 9002231 2.2% FB-01,-02 EW-04 None Detected 9002231 2.2% FB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detected 9002231 PB-01,-02 EW-04 None Detecte	B2-01-01	90021804	*	FB-01,-02	EW-03	5900 mg/kg	S900(HT)
Mail	B2-01-19	90021500	£ 8	FB-01,-02	- MA	None Detected	None Applied
NA Nate Detected	82-01-19 MSD	90021806 MSD	**	PB-01,-02	EW-03	Not Applicable	None Applied
NA Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Na	9 110						
9002201 2.2% FB-01,-02 EW-04 None Descend 9002202 2.2% FB-01,-02 EW-04 1500 mg/kg 9002203 2.2% FB-01,-02 EW-04 1500 mg/kg 9002204 2.2% FB-01,-02 EW-04 1500 mg/kg 9002205 2.2% FB-01,-02 EW-04 None Descend 9002206 2.2% FB-01,-02 EW-04 None Descend 9002207 2.2% FB-01,-02 EW-04 1500 mg/kg 9002207 2.2% FB-01,-02 EW-04 1500 mg/kg FB-01,-02 EW-04 1500 mg/kg FB-01,-02 EW-04 1500 mg/kg PB-01,-02 EW-04 1500 mg/kg PB-01,-02 EW-04 1500 mg/kg PB-01,-02 EW-04 1500 mg/kg PB-01,-02 EW-04 1500 mg/kg PB-01,-02 EW-04 1500 mg/kg PB-01,-02 EW-04 1500 mg/kg PB-01,-02 EW-04 1500 mg/kg PB-01,-02 EW-05 1400 mg/kg PB-01,-02 EW-05 1400 mg/kg PB-03 Not Appliable FB-01,-02 EW-05 2400 mg/kg PB-03 Not Appliable FB-01,-02 EW-05 1400 mg/kg PB-03 Not Appliable FB-01,-02 EW-05 1400 mg/kg PB-03 Not Appliable FB-03 EW-05 1400 mg/kg PB-03 Not Appliable FB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03	OILS TOTAL	10107	300	**	2	Mone Detroped	
90022302 2.2% FB-01,-02 EW-04 3000mg/kg 90022303 2.2% FB-01,-02 EW-04 3000mg/kg 90022304 2.2% FB-01,-02 EW-04 3000mg/kg 9002205 2.2% FB-01,-02 EW-04 None Description of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of th	B2-02-01	90022301	12%	FB-01,-02	EW-04	Nane Detected	10UJ(HT)
90022303 2.3% FB-01,-02 EW-04 3000mg/kg 90022304 2.2% FB-01,-02 EW-04 None Detected 9002205 2.2% FB-01,-02 EW-04 None Detected 9002205 2.2% FB-01,-02 EW-04 None Detected 9002205 2.2% FB-01,-02 EW-04 None Detected 9002206 2.2% FB-01,-02 EW-04 None Detected 9002206 2.2% FB-01,-02 EW-04 None Detected 9002201 2.2% FB-01,-02 EW-04 None Detected 9002201 2.2% FB-01,-02 EW-04 None Detected 9002201 2.2% FB-01,-02 EW-04 None Detected 9002201 2.2% FB-01,-02 EW-04 H00mg/kg PB-01,-02 EW-04 H00mg/kg 9002201 Not Applicable FB-01,-02 EW-05 1400mg/kg 9002201 Not Applicable FB-01,-02 EW-05 2400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002201 Not Applicable FB-03 EW-05 1400mg/kg 9002001 Not Applicable FB-03 EW-05 1400mg/kg 9002001 Not Applicable FB-03 EW-05 1400mg/kg 9002001 Not Applicable FB-03 EW-05 1400mg/kg 9002001 Not Applicable FB-03 EW-05 1400mg/kg 9002001 Not Appli	B2-03-01	90022302	2.2%	FB-01,-02	EW-04	1500 mg/kg	1500l(HT)
90022305 2.2% PB-01,-02 EW-04 None Descend 90022305 2.2% PB-01,-02 EW-04 None Descend 90022305 2.2% PB-01,-02 EW-04 None Descend 90022307 2.2% PB-01,-02 EW-04 None Descend 9002230 2.2% PB-01,-02 EW-04 None Descend 9002231 2.2% PB-01,-02 EW-04 None Descend 9002231 2.2% PB-01,-02 EW-04 None Descend 9002231 2.2% PB-01,-02 EW-04 160 mg/kg PB-01,-02 EW-04 160 mg/kg PB-01,-02 EW-04 160 mg/kg PB-01,-02 EW-04 160 mg/kg PB-01,-02 EW-04 160 mg/kg PB-01,-02 EW-05 1400 mg/kg PB-01,-02 EW-05 1400 mg/kg PB-03,-03 EW-05 1400 mg/kg PB-03,-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-05 1400 mg/kg PB-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03 EW-03	82-04-01	90022303	2.2%	FB-01,-02	EW-04	3000 mg/kg	3000(HT)
90022305 2.2% PB-01,-02 EW-04 1500 mg/kg 90022307 2.2% PB-01,-02 EW-04 1500 mg/kg 90022307 2.2% PB-01,-02 EW-04 370 mg/kg 90022310 2.2% PB-01,-02 EW-04 370 mg/kg 90022310 2.2% PB-01,-02 EW-04 None Desicted 9002231 2.2% PB-01,-02 EW-04 None Desicted 9002231 2.2% PB-01,-02 EW-04 180 mg/kg 9002231 2.2% PB-01,-02 EW-04 180 mg/kg 9002243 Not Applicable PB-01,-02 EW-05 1400 mg/kg 9002240 Not Applicable PB-01,-02 EW-05 1400 mg/kg 9002240 Not Applicable PB-01,-02 EW-05 1400 mg/kg 9002240 Not Applicable PB-03 EW-05 1400 mg/kg 9002240 Not Applicable PB-03 EW-05 1400 mg/kg 9002340 Not Applicable PB-03 EW-05 1400 mg/kg 9002240 Not Applicable PB-03 EW-05 1400 mg/kg	10-10-12	90022305	2.2%	FB-01,-02	EW	None Detected	190J(HT)
9002230	P4-02-01	90022306	2.2%	FB-01,-02	EW-04	1500 mg/kg	15001(HT)
90022308 2.74 FB-01,-02 EW-04 550 mg/kg 90022309 2.24 FB-01,-02 EW-04 None Detected 9002231 2.24 FB-01,-02 EW-04 None Detected 9002231 2.24 FB-01,-02 EW-04 None Detected 9002231 2.24 FB-01,-02 EW-04 180 mg/kg 9002231 2.24 FB-01,-02 EW-04 180 mg/kg 9002231 2.24 FB-01,-02 EW-04 1400 mg/kg 90022402 Not Applicable FB-01,-02 EW-04 1400 mg/kg 90022402 Not Applicable FB-01,-02 EW-05 2400 mg/kg 90022403 Not Applicable FB-03 EW-05 2400 mg/kg 90022403 Not Applicable FB-03 EW-06 1400 mg/kg 90022403 Not Applicable FB-03 EW-06 1400 mg/kg 90022403 Not Applicable FB-03 EW-06 1400 mg/kg 90022403 Not Applicable FB-03 EW-06	B4-03-02	90022307	2.2%	FB-01,-02	EW-04	None Detected	(TH)(TO)
90022309 2.7% FB-01,-02 EW-04 None Detected 9002310 2.7% FB-01,-02 EW-04 None Detected 9002311 2.2% FB-01,-02 EW-04 None Detected 9002312 2.2% FB-01,-02 EW-04 100 mg/kg 9002231 2.2% FB-01,-02 EW-04 100 mg/kg 9002243 Not Applicable FB-01,-02 EW-05 1400 mg/kg 9002243 Not Applicable FB-01,-02 EW-05 1400 mg/kg 9002243 Not Applicable FB-01,-02 EW-05 1400 mg/kg 9002243 Not Applicable FB-01,-02 EW-05 1500 mg/kg 9002343 Not Applicable FB-01,-02 EW-05 1500 mg/kg 9002343 Not Applicable FB-01,-02 EW-05 1500 mg/kg 9002343 Not Applicable FB-03 EW-05 1500 mg/kg 9002343 Not Applicable FB-03 EW-05 1500 mg/kg	21 -03-01	90022308	2.2%	FB-01,-02	EW-04	520 mg/kg	SZW(HT)
9002231 2.2% FB-01,-02 EW-04 None Described 9002231 2.2% FB-01,-02 EW-04 100 mg/kg 9002231 2.2% FB-01,-02 EW-04 100 mg/kg 9002231 2.2% FB-01,-02 EW-04 100 mg/kg 9002240 Noi Appilable FB-01,-02 EW-05 1400 mg/kg 9002240 Noi Appilable FB-01,-02 EW-05 1400 mg/kg 9002340 Noi Appilable FB-01,-02 EW-05 2400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03 EW-06 1400 mg/kg 9002340 Noi Appilable FB-03	24-63-02 24-63-02	90022309	2.2%	FB-01,-02	EW 104	None Detected	OCCUPATION OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE
90022313 2.2% FB-01,-02 EW-04 160 mg/kg 90022313 2.2% FB-01,-02 EW-04 160 mg/kg 90022313 2.2% FB-01,-02 EW-04 140 mg/kg 90022403 Not Appilable FB-01,-02 EW-05 1400 mg/kg 90022403 Not Appilable FB-03 EW-05 1300 mg/kg 90023401 Not Appilable FB-03 EW-06 1400 mg/kg 90023401 Not Appilable FB-03 EW-06 1400 mg/kg 90023403 Not Appilable FB-03 EW-06 1400 mg/kg 90023403 Not Appilable FB-03 EW-06 1400 mg/kg 90023403	Z-04-02	90022311	2.2%	FB-01,-02	EW-04	None Detected	1001(HT)
90022313 2.2% PB-01,-02 EW-04 64 mg/kg LANK MB193 Not Applicable PB-01,-02 EW-05 1400 mg/kg 90022403 Not Applicable FB-01,-02 EW-05 380 mg/kg 90022401 Not Applicable FB-01,-02 EW-05 380 mg/kg 9002301 Not Applicable FB-03 EW-06 1500 mg/kg 9002301 Not Applicable FB-03 EW-06 1400 mg/kg 9002301 Not Applicable FB-03 EW-06 1400 mg/kg	10-10-10	90022312	2.2%	FB-0102	EW-04	180 me/ke	1804/HTD
LANK MB193 Not Applicable NA NA None Detected 90022403 Not Applicable FB-01,-02 EW-05 1400 mg/kg 90023401 Not Applicable FB-01,-02 EW-06 2400 mg/kg 90023501 Not Applicable FB-03 EW-06 2400 mg/kg 90023601 Not Applicable FB-03 EW-06 1500 mg/kg 90023602 Not Applicable FB-03 EW-06 1400 mg/kg	B4-05-02	90022313	2.2%	FB-01,-02	EW-04	64 mg/kg	(44),
MB193	OILS			į	į		
90022401 Not Applicable FB=-01, -02 EW=-03 HVORBJER 90022401 Not Applicable FB=-01 EW=-05 890 mg/kg 9002301 Not Applicable FB=-03 EW=-06 1400 mg/kg 9002301 Not Applicable FB=-03 EW=-06 1500 mg/kg 9002301 Not Applicable FB=-03 EW=-06 1400 mg/kg	IETHOD BLANK	MB193	Not Applicable	YZ S	Y and	None Defected	· 100felin
90023601 Not Applicable FB-03 EW-06 2400 mg/kg 90023601 Not Applicable FB-03 EW-06 1900 mg/kg 90023603 Not Applicable FB-03 EW-06 1400 mg/kg 90023603	3 5	90022403	Not Applicable	FB-01,-02	EW-05	850 me/ke	SECURITY SECURITY
90023602 Not Applicable FB-03 EW-06 1500 mg/kg 90023603 Not Amelicable FB-03 EW-06 1400 mg/kg	BI -04-01	90023601	Not Applicable	FB-03	EW-06	2400 mg/kg	Nane Applied
90023403 Not Applicable PB=03 PW=06 1400 meAre	B1-04-02	90023602	Not Applicable	PB-03	EW-06	1500 me/ke	Nate Applied
Selfmont on the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the count							

Collected Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extracted Extrac	Date Assiyood IMION IMION IMION IMION IMION IMION IMION		Laboratory	A CONTIDA OU				
NA 1104/91 1104/91 1106/91 1106/91 1106/91 1106/91 1106/91 1106/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91 1101/91		Holding (Time	Control Semple(LCS)	Spike Sample	PRECISION Duplicate Sample	Blank Asalysis	Date 5-Point Calibration	Correlation Coefficient
NA 11,07/91 10,030/91 10,030/91 10,031/91 10,031/91 11,01/91 11,01/91 11,03/91 11,03/91 11,03/91 11,03/91 11,03/91 11,03/91 11,03/91 11,03/91 11,03/91 11,03/91 11,03/91 11,03/91 11,03/91 11,03/91 11,03/91 11,03/91	10/10/10 10/10/10 10/10/10 10/10/10 10/10/10	MA 11 DAYS 6 DAYS 6 DAYS 8 DAYS 8 DAYS 8 DAYS 8 DAYS 8 DAYS 8 DAYS 8 DAYS 8 DAYS 8 DAYS 8 DAYS 8 DAYS 8 DAYS 8 DAYS 8 DAYS 8 DAYS 8 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAYS 9 DAY	LC3 74]) ALL PERCENT RECOVERIES WITHIN CONTROL LIMITS (80-120%)	DATA NOT PROVIDED	DATA NOT PROVIDED	NO INTERPRENCE DETECTED	11/1/91 11/1/91 11/1/91 11/1/91 11/1/91 11/1/91 11/1/91 11/1/91	9966
NA 10,50,691 10,50,691 10,51,691 10,61,691 11,01,691 11,01,691 11,01,691 11,01,691 11,01,691 11,01,691 11,01,691 11,01,691 11,01,691 11,01,691 11,01,691 11,01,691 11,01,691 11,01,691 11,01,691 11,01,691 11,01,691 11,01,691 11,01,691	11,26/91 11,26/91 N	NA []	ICS 7661 ALL PERCENT DATA NOT PROVIDED RECOVERIES WITHIN CONTROL LMITS (80-120%)	DATA NOT PROVIDED	DATA NOT PROVIDED	NO INTERPERENCE DETECTED	11/26/91	0.998.2
16/30/11		NA 11 12 DAYS 11 12 DAYS 11 12 DAYS 11 12 DAYS 11 12 DAYS 11 12 DAYS 11 12 DAYS 12 DAYS 12 DAYS 13 DAYS 14 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAYS 15 DAY	ECOVERY (3%) RECOVERY (3%) RELOW CONTROL LINITS (75-125%)	(ROZ=1-1) RECOVERY VALUE (484) OUTSIDE LIMITS (75-125%)	MOZ=1=1 RECOVERY NALUE (71%) OVER 15 LIMITS (75-124%) BUT RPD VALUE WITHIN CONTROL LIMIT (≤ 35)	NO INTERPRIENCE DETECTIED		0.9966
NA 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/18/91 11/1		MA 17 DAYS 17 DAYS 17 DAYS 17 DAYS 17 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18 DAYS 18	LC3.74) PERCENT RECOVERY WITHIN CONTROL LIMITS (15-12%)	(35-125%)	(8814–2-2) RECOVERY VALUE (72–125%) AND RPD VALUE (75–55) WITHIN CONTROL LIMITS	NO INTERPERENCE DETECTED	11219 11219 11219 11219 11219 11219 11219 11219 11219 11219 11219 11219 11219 11219 11219 11219 11219 11219 11219	266

SAIC Sample	Laboratory Identification	Post-rua Calibration	Field Blank	Equipment Blank	Significant Sample	Data Validation
Number	Number	Check Point	Analysis	Analysis	Results	Qualifien
WATERS						
METHOD BLANK	MB741	3,57%	¥:	¥:	None Detected	Man Amillad
FB1-1	13299	3578		Š	None Detected	Nose Applied
EB1-1	14265	3.57%		¥	None Detected	None Applied
EB1A-1	14266	3.57%		¥	None Detected	Nose Applied
MW1-02	14267	3.57%		EBIA-1,1-1	None Detected	None Applied
KW2-01	14355	3578		E82-1	None Delected	None Applied
WW2-01R	14356	3,57%		EB2-1	None Detected	None Applied
782-1 882-1	14360 14361	3.57% 3.57%		* * *	None Detected None Detected	None Applied None Applied
WATERS						
METHOD BLANK P-8	MB766 14396	2.2%	NA FB2-1	NA EB2-1	None Detected I mg/l	None Applied
SOILS						
METHOD BLANK	MB736	3.57%	Y	¥	None Detected	
B3-1-1	13114	3.57%	7	E82	Too Concentrated to Analyze	None Applied
83-1-1KE 81-7-7	13114RE	1074			None Detected	None Applied
B3-2-1	13174	3.57%	784-1	EB3-1	98 mg/kg	None Applied
B3-1-6	13175	3,57%	PB4-1	EB3-1	None Detected	None Applied
903-1-6	13176	3.57%	784-1	EB3-1	None Detected	Nose Applied
B1-1-2	13169	357%	- FEE		None Detected	None Applied
B1-1-3	13190	3,57%	- FB4	1-142	None Detected	None Applied
BG1-1-1	13279	3.57%	781-1 781-1	EB4-1	2.00 mg/kg 100 mg/kg	None Applied
01-1-3	13280	3,57%	PB!-1	EB4-1	None Detected	None Applied
MG1-1-4	13281	3.77%	F81-1	EB4-1	None Detected	Nose Applied Nose Applied
102-1-2	13243	3.57%	F81-1	EB4-1	None Detected	None Applied
BG2-1-3	13284	3.57%	791 -1	E#4-1	None Detected	None Applied
B1-2-1	13283	357%		E 1	None Detected	Deligion Agent
SB1-2-3	13267	3.57%		EB4-1	None Detected	None Applied
SB1-2-7	13286	3.57%	- 10. 10.	EB4-1	None Detected	None Applied
B1-1-7 G2-1-1 Me	13289	357%	707. 1-107.		Nose Detected	Nose Applied
BG2-1-1 MSD	13282 MSD	3,57%	PB1-1	EB4-1	Not Applicable	Nose Applied
SHO						
METHOD BLANK	MB748	28	¥	¥	Nose Detected	
581A-1-1	13290				None Detected	None Applied
\$81A-1-3	13292	38.	F01-1		None Detected	None Applied
\$B1A-1-5	13293	38	FB1-1	EB4-1	None Detected	Nose Applied
BIA-2-1	13294		- 1 0 .		None Detected	Nose Applied
381A-2-4	13296			1-763	Nose Detected	None Applied
81A-3-1	13297	. £	FB1-1	ED4-1	Nose Detected	Nose Applied
B1A-3-3	13296	*	PB1-1	EB4-1	None Detected	None Applied
SB1-3-1	14259	2 1	FB1-1	EBIA-1,1-1	Nose Detected	Nose Applied
B1-3-3	14261		781	EBIA-1.1-1	Poto-Detailed	None Applied
B1-3-3R	14262	1	FBI-1	E81A-1,1-1	None Detected	None Applied
BIA-3-2	14263	5%	FB1-1	EBIA-1,1-1	1900 mg/kg	None Applied
BIA-3-5	14264	ž.	FB1-1	EB1A-1,1-1	None Detected	Nose Applied
BIA-1-5 RIA-1-58	14346		FB2-1	E52-1	None Detector	Nose Applied
BIA-3-4	14350	**	FB2-1	EB2-1	Nose Detected	Nose Applied
BIA-2-2 MS	13295 MS	1			Mar 4 10.	
		2	1-101		Not Appendiate	Nose Applied

]		Table F	7-22c. Total Petroleum II. Indiana Ab National Gr	Table F-22c. Total Petroleum II.ydrocarbons Data Validation Worksbeets Indiana Air National Guard Base, Fort Wayne, Indiana	Vorksbeets				
O C 4 0	Laboratory	1	į	1	Weldler	Laboratory	ACCURACY	PRECISION	1	Date		Τ_
Number	Number	Collected	Extracted	Analyzed	Time	Control Sample(LCS)	Spike Semple	Duplicate Semple	State Analysis	Salibration	Coefficient	-
SOILS METHOD BLANK SBIA-3-4R SBI-2-5 SBI-2-5R	MB749 1433 1433 1433	NA 11/05/91 11/02/91	1,723/91 11/23/91 16/23/11	16,96711	NA 21 DAYS 24 DAYS 24 DAYS	RECOVERY WITHEN CONTROL LIMITS (75-125%)	SBIA-3-4K] RECOVERY VALUE WITHIN LIMITS (75-125%)	(SBIA-3-4) RECOVERY VALUE (7-12%) AND RPD VALUE (-3-3) WITHIN CONTROL LIMITS	NO INTERFERENCE DETECTED	11/2691 11/2691 11/2691	0.9962	
SBIA-3-4R MS SBIA-3-4R MSD		11/06/91	10/22/11			,				11/26/91		
WATERS (OIL & CMETHOD BLANK EB3-1 PM-1 NW2-0I RW2-0I FR2-1	Grease) MB766 13167 13204 14336 14356 14360	NA 1031/91 11/04/91 11/06/91 11/06/91 11/06/91	16,92/11 16,92/11 16,92/11 16,92/11 16,92/11	172691 172691 172691 172691 172691 172691	NA 26 DAYS 26 DAYS 26 DAYS 26 DAYS 26 DAYS 26 DAYS	LCS 766) PERCENT RECOVERY WITHIN CONTROL LIMITS (80-120%)	DATA NOT PROVIDED	DATA NOT PROVIDED	NO INTERFERENCE DETECTED	11/26/91 11/26/91 11/26/91 11/26/91 11/26/91	Q. 9902	
SOILS (OI & Grense) METHOD BLANK MBN7 1819-1-1 1310-2-2 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-1 1310-	ABO) MB767 10114 10104 10104 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105 10105	NA 1030/91 1031/91 1031/91 1031/91 1031/91	172691 172691 172691 172691 172691 172691 172691	10,9671 10,9671 10,9671 10,9671 10,9671 10,9671	KA 27 DAYS 26 DAYS 26 DAYS 26 DAYS 26 DAYS 26 DAYS 26 DAYS	LCS '56] PERCENT RECOVERY WITHIN CONTROL LIMITS (73-125%)	SB3-2-1] RECOVERY VALUE WITHIN LIMITS (73-125%)	SECTON RECOVERY VALUE (%-12%) AND RPD VALUE (≤-13%) AND RPD VALUE (≤ 35) WITHIN CONTROL LIMITS	NO INTERFERENCE DETECTED	16,92/11 16,92/11 16,92/11 16,92/11 16,92/11	α 9962	
SOLLS & WATERS \$84-1-1(M.500) \$84-1-1(M.330)	18 18115 18115	16/05/01	Not Provided 11/10/91	19/13/1 19/11/1	13 DAYS 18 DAYS	DATA NOT PROVIDED	ALL RECOVERY VALUES WITHIN LIMITS FOR	ALL RECOVERY VALUES WITHIN LIMITS FOR	NO INTERPRENCE DETECTED	Not Provided Not Provided	Not Provided	
\$B4-1-2 (M 5030) \$B4-1-2 (M 3550)	13116 13116	10/30/91	Not Provided 11/10/91	16/21/11 16/21/11	13 DAYS 16 DAYS	:	WATERS (80-1278) AND SOILS (76-1258) EXCEPT WATERS 481 [for Diem]	WALUES (≤ 35) EXCEPT		Not Provided Not Provided		
\$84-1-6 (M 5030) \$84-1-6 (M 3550)	13117	10/30/91	Not Provided 11/10/91	19/21/11	13 DAYS 18 DAYS		(69%) AND %R3 [for Dees] (69%); AND \$OLLS: %R1 [for Dees] (75%)	WATERS: \$R1 [for Diem.] (74%) AND \$R3 [for Diem.] (74%); AND SOILS \$R2		Not Provided Not Provided		
SB4-2-1 (M 5050) SB4-2-1 (M 3550)	13145 13145	10/20/91	Not Provided 11/10/91	19/21/11 11/17/91	12DAYS 17DAYS			for the sel (63%)		Not Provided Not Provided		
SB4-2-2 (M 5030) SB4-2-2 (M 3550)	13186 13166	16/15/01	Not Provided 11/10/91	19/21/11 19/11/11	12DAYS 17DAYS					Not Provided Not Provided		
PB4-1 (M 5000) TB11-1-91 (M 5030) SB4-3-1 (M 5030) SB4-3-1 (M 3030)	13196 13196 13200 13200	16/10/11 11/0/91 11/0/91	Not Provided Not Provided Not Provided 11/07/91	1713/91 11/13/91 11/14/91 11/17/91	12DAYS 12DAYS 13DAYS 16DAYS					Not Provided Not Provided Not Provided Not Provided		
\$B4-3-2 (M 5030) \$B4-3-2 (M 3550)	13201	16/10/11	Not Provided 11/07/91	16/27/1 16/17/1	21 DAYS 16 DAYS					Not Provided Not Provided		
\$B4-3-4 (M 5030) \$B4-3-4 (M 3550)	13202	16/10/11	Not Provided 11/07/91	16/1/11	13 DAYS 16 DAYS					Not Provided Not Provided		· · · · · ·
EB1 (M 3510)	13203	16/10/11	11/14/91	10/11/11	16 DAYS					Not Provided		
FB4-: (M 3S10)	13204	16/10/11	11/14/91	16/1/11	16 DAYS					Not Provided		
MW4-01 (M 5030) MW4-01 (M 3510)	1487	11/06/91	Not Provided 11/14/91	18/21/11 18/71/11	7DAYS 11 DAYS					Not Provided Not Provided		
MW4-02 (M 5030) MW4-02 (M 3510)	14358	11/06/91	Not Provided	19/11/11 19/11/11	7DAYS 11 DAYS					Not Provided Not Provided		
MW4-02R (M 5030) MW4-02R (M 3510)	14359	11/06/91	Not Provided 11/14/91	1941/11 1971/1	/DAYS					Not Provided Not Provided		
SED-1 (M 3550)	14395	10/20/11	17/15/91	16/11/11	10 DAYS					Not Provided		
SED-2 (M 3550)	14396	170/1	11/15/91	16/1/11	10 DAYS					Not Provided		
P-1 (M 3510)	14397	16/20/11	17/1491	10/1/11	10 DAYS					Not Provided		
						i						

SAIC Sample Number	Laboratory Identification Number	Post-run Calibration Check Point	Field Blank Analysis	Equipment Blank Analysis	Significant Sample Results	Data Validation Qualifiers
SOILS						
METHOD BLANK	MB749	2178	≨ §	Ž į	None Detected	Mone Amilia
-2-5	1682	2178	- 22	EB2-1	21 ma/a	None Aggled
SB1-2-5R	14353	217	PB2-1	EB2-1	None Detected	Nose Applied
581A-3-4R MSD	IASSI MSD	2178	FB2-1 FB2-1	EB2-1	Not Applicable Not Applicable	Nos Appled
A BOY SAGE	~				ĭ	
METHOD BLANK	MB766	22%	ž	¥:	None Detected	
: T	13204	278	žž	\$ \$	None Detected	None Acribed
7-01	14355	2.2%	PB2-1	EB2-1	None Detected	None Applied
	14356	17. T	FB2 - 1	EB2-1	Smy	Nos Apple
EB2-1	14361	22%	S X	₹	None Detected	None Applied
ILS (Oil & Grease)	186)					
×	MB767	2176	¥	¥	None Detected	
SB3-1-1 SB3-2-2	13161	217		EB3-1	7300 mg/kg None Detected	None Applied None Applied
-2-1	13182	2176	18	EB3-1	None Detected	None Applied
9 - 1 - 9	215	2176		E83-1	Note Detected	Nose Applied
SB3-2-1 MS	13162 MS	217	3	E83-1	Not Applicable	None Applied
-2-1 MSD	13182 MSD	2.17%	784 -1	EBG-1	Not Applicable	None Applied
ILS & WATER	80					
SB4-1-1 (M 3030) 1 SB4-1-1 (M 3350) 1	13115 13115	No data provided No data provided	74 74 75	EBG-1 EBG-1	as Gascline: None Detected as Diesel: 4.9 mg/tg	None Appthed None Appthed
-1-2 /M 5000	11116	No determination	1.84-1	1001	as Motor Oli: 11 mg/kg	Mrns Amiled
SB4-1-2 (M 3550)	13116	No the provided		EBS-1	as Diesel: None Detected	None Applied
SB4-1-6 (M 5030)	13117	No data provided	FBA-1	EB3-1	as Motor Off: None Detected as Gasoline: None Detected	None Applied
-1-6 (M 3550)	13117	No data provided	FB4-1	EB3-1	es Diesel: 96 mg/kg	None Applied
SB4-2-1 (M 5030)	13165	No data provided	794 1-10	EB3-1	as Gesoline: None Detected	None Applied
(norm la) 1 - 1 -	8101	named at man out	Ĭ		as Motor Olf. 40 mg/kg	namida amar
SB4-2-2 (M 5030) SB4-2-2 (M 3550)	13186 13186	No data provided No data provided	7 7	88 - 1 - 28 - 1	as Gasoline: None Detected as Diemi: None Detected	None Applied None Applied
,			;		as Motor Off: None Detected	
TB11-1-91 (M 5030)	13198	No des provided	<u> </u>	≨≨	as Gasofine: None Detected as Gasofine: None Detected	Nose Applied Nose Applied
-3-1 (M 3030)	13200	No data provided	1.0	EB4-1	as Gasoline: None Detected	Nose Applied
(OCCC M) I - C -	13600	No chair provided	1	- + 402	as Motor Off: Note Detected	penithy enov
SB4-3-2 (M 3030) SB4-3-2 (M 3550)	13201	No data provided No data provided	7.5	E 14	as Gasoline: None De noted as Die nel: None Denoted	Nose Applied Nose Applied
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			i		as Motor Off: None Detected	
SB4-3-4 (M 3550)	13202	No data provided			as Diesel: 16 mg/kg	Nose Applied
EB4-1 (M 3510)	13203	No data provided	Ž	×	as Motor Oll: 27 stg/kg as Diesel: Note Defected	None Acrolled
W136 PV 1 - 784	11304	No determinant	42	×	as Motor Oil: None Detected	Mone Arrelland
(00000)			<u> </u>		as Motor Off: None Detected	
MW4-01 (M 5030) MW4-01 (M 3510)	14357	No data provided No data provided	FB2 - 1 FB2 - 1	EB2-1	as Casoline: None Detected as Dienel: None Detected	None Applied None Applied
,					as Motor Off: None Detected	
MW4-02 (M 3510) MW4-02 (M 3510)	1436	No date provided	782-1 782-1	EB2-1	as Diesek None Detected as Diesek None Detected	None Applied None Applied
MW4-02R (M 5030)	14359	No data provided	FB2-1	EB2-1	as Gredine: None Desected	None Applied
4-02R (M 3510)	14359	No data provided	FB2-1	EB2-1	as Diesel: None Detected as Motor Oil: None Datacted	None Applied
SED-1 (M 3550)	14395	No data provided	FB2-1	EB2-1	as Diesel: None Detected	None Applied
SED-2 (M 3550)	14396	No data provided	FB2-1	EB2-1	as Dieselt. None Detected	None Applied

Footnotes to Tables F-22a through F-22c. Total Petroleum Hydrocarbons Data Validation Worksheets Indiana Air National Guard Base, Fort Wayne, Indiana

Holding time for both soils and waters is 28 days.

Control Limits for LCS Analyses

%R: 80-120

Control Limits for Water TPH MS/MSD Analyses

R%: 75-125, %RPD = 20

Control Limits for Soil TPH MS/MSD Analyses

R%: 75-125, %RPD = 35

calibration curve were greater than 0.995. Based on an evaluation of instrument calibration requirements all initial calibration criteria were met.

Method Blank Results — One method blank was extracted and analyzed with each batch of samples collected during the Indiana ANGB SI for TPH and oil and grease. Based on evaluation of all method blanks analyzed, no interferents were detected.

Laboratory Control Sample Analysis — One LCS was conducted with each batch of soil and groundwater samples analyzed by the NET Laboratory, as required by the DOE/HWP-65/R1. The recovery results of each LCS analyzed with the groundwater and soil samples were evaluated against an 80 to 120 percent control limit. Based on an evaluation of all LCS analyses conducted, the percent recoveries of all LCS values were within acceptable limits.

Matrix Spike/Matrix Spike Duplicate Results — MS/MSD analyses were conducted to assess the accuracy and precision of the laboratory and to evaluate the matrix effect of the sample upon the analytical methodology based upon the percent recovery of the spike compounds. Precision was expressed as the RPD of the concentrations of the spike compounds in the MS/MSD samples. One MS/MSD analysis was required for each set of the 20 samples of the similar matrix, excluding dilutions and re-analyses conducted.

Five MS/MSD analyses were conducted using soil sample (i.e., SB2-01-19 [TPH], BG2-1-1 [TPH], SB1A-2-2 [TPH], SB1A-3-4R [TPH], and SB3-2-1 [oil and grease]. All recoveries were within the control limits, except for TPH (68 and 71 percent) in BG 2-1-1. NO data validation qualifiers have been applied, since TPH was not detected in the original samples. All differences were within the control limits. Tables F-23 summarized the MS/MSD results for soil samples. No MS/MSD analysis was performed for water samples.

Significant Sample Results — TPH, oil and grease, and TPH as diesel and motor oil results in all samples are presented in the data summary tables, in the data presentation tables located in Appendix E, and in Tables F-22. Data validation qualifiers have been applied to

		ACCURACY	ACY					PRECISION	NOI	
PARAMETER	MATRIX SPIKE TOTAL No ANAL YSES	PERCENT RECOVERY RANGES	%R CONTROL LIMITS	NUMBER WITHIN CONTROL LIMITS	NUMBER OUTSIDE CONTROL LIMITS	MSD TOTAL NG ANAL YSES	RANGE	RPD	NUMBER WITHIN CONTROL LIMITS CO	NUMBER OUTSIDE CONTROL LIMITS
TPH OIL AND GREASE	eo 61	(68 – 102)	(75–125) (75–125)	9	2	₹ #	(1-9.5)	x x	* •	0

MATRX SPIKE AND LABORATORY DUPLICATE PERFORMED ON SAMPLES 5D2-01-19, BG2-1-1, SB1A-2-2, SB1A-3-4R, AND SB3-2-1.

selected sample results to indicate that these results were considered estimated due to holding time violation.

F.3.3.3. Total Dissolved Solids (TDS) Analyses Results

Five groundwater samples and 3 field QC blanks (i.e., field blanks and equipment blank) were collected and during the Indiana ANGB SI and were analyzed for TDS by the NET Laboratory using the EPA Method 160.1. Data quality was evaluated using the guidelines and control limits for holding times, method blank, and duplicate sample analysis. The data validation worksheets are presented in Tables F-24.

Holding Times—Holding times were defined as the maximum amount of time allowed to elapse between the date and time of sample collection and date and time the sample was analyzed. The NET Laboratory was required by the SOW prepared for the Indiana ANGB, Fort Wayne SI to meet the holding time of 7 days for water samples. Based on an evaluation of the environmental samples and field QC blanks analyzed for TDS, all holding time criteria were met.

Method Blanks-One method blanks analysis was conducted with each batch of environmental samples and field QC blanks analyzed for TDS. Each method blanks was evaluated for interferents that might potentially interfere with accurate quantitation of a target element. Based on an evaluation of method blanks analyzed by the NET Laboratory TDS was detected in MB171 (11 mg/L) and MB200 (20 mg/L). As a result the concentration of EW-08 (i.e., 50J[MB) associated with MB200 was qualified (i.e., "J[MB]") to indicate that the TDS reported was considered estimated, since the concentration reported did not exceed 10 times that reported in the method blank.

Duplicate Analysis — One duplicate analysis was analyzed and the RPD value was calculated. Precision was express as the RPD of detected compound. The control limits for RPD were described in DOE/HWP-65/R1. Duplicate sample was evaluated to verify that 1 duplicate sample analysis was conducted on environmental samples only and that the difference

TABLE F-24. TOTAL DISSOLVED SOLIDS DATA VALIDATION WORKSHEETS INDIANA AIR NATIONAL GUARD BASE, FORT WAYNE, INDIANA

ç			Ē
Identification Date Date Number Collected Analyzed	te Holding zed Time	Dupneate Sample Analysis	blank Analysis
			•
NA 08/30/90		MW1-01 RPD VALUE	INTERFERENCE
Ū	400 WA	WITHIN LIMITS	DETECTED
08/27/80	7D,	$(\leq 20\%)$	
	/90 7 DAYS		
09/12/90			
09/12/90			
09/13/90			
09/14/90			
	//90 4 DAYS		
09/15/90			
09/12/90			
06/16/90	_		
90025102 DUP 09/15/90 90025105			09/18/90 09/18/90 09/18/90

TABLE F-24. TOTAL DISSOLVED SOLIDS DATA VALIDATION WORKSHEETS INDIANA AIR NATIONAL GUARD BASE, FORT WAYNE, INDIANA (CONTINUED)

	SAIC Sample Identification Number Number	rield Blank Analysis	Equipment Blank Analysis	Significant Sample Results	Data Validation Qualifiers	
WATER						
	MB171	V.	٧Z	11 mg/L		
	MB200	NA A	NA	20 mg/L		
	90021708	Y Y	AN	230 mg/L	None Applied	
FB-02	90021709	Y.	NA	150 mg/L	None Applied	
	90025103	X.	₹Z	50 mg/l	SOLOMB	
	90023901	FB-01,-02	EW-08	620 rr s/L	6201/FB)	
	90024801	FB-01,-02	EW-08	610 mg/L	610I(FB)	
	90024902	FB-01,-02	EW-08	360 mg/L	\$601(FB)	
	90025101	FB-01,-02	EW-08	700 mg/L	7001(FB)	
MW1-01	90025102	FB-01,-02	EW-08	530 mg/L	530J(FB)	
MW1-01 DUP	90025102 DUP	FB-01,-02	EW-08	520 mg/L	None Applied	
P-8	90025105	FB-01,-02	EW-08	540 mg/L	540J(FB)	

FOOTNOTES TO TABLE F-24. TOTAL DISSOLVED SOLIDS DATA VALIDATION WORKSHEETS INDIANA AIR NATIONAL GUARD BASE, FORT WAYNE, INDIANA

Holding time for water sample is 7 days.

Control Limits for Water TDS Laboratory Duplicate Analysis %RPD: $\leq 20\%$.

results did not indicate systematic laboratory control problems. Duplicate sample result is presented in Table F-25.

One duplicate analysis (i.e., MW1-01) was conducted using groundwater sample collected during the Indiana ANGB SI. The percent difference was within the control limits.

Significant Qualified Sample Results — Data validation qualifiers have been applied to EW-08 (i.e., 50J[MB]) to indicate that TDS was detected in the associated laboratory method blanks.

TABLE F-25. TDS LABORATORY DUPLICATE QC SUMMARY: GROUNDWATER INDIANA AIR NATIONAL GUARD BASE, FORT WAYNE, INDIANA

PARAMETER	LAB. DUPLICATE TOTAL No. ANAL YSES	RANGE	RPD LIMITS	NUMBER WITHIN CONTROL LIMITS	NUMBER OUTSIDE CONTROL LIMITS
TDS	1	1.9	25	-	0

DUPLICATE SAMPLE ANALYSES PERFORMED ON SAMPLE MW1-01.

APPENDIX G RISK ASSESSMENT PROCEDURES

APPENDIX G. HUMAN HEALTH RISK ASSESSMENT PROCESS INDIANA AIR NATIONAL GUARD BASE

G.1 INTRODUCTION

Risk assessment is an essential component of the Remedial Investigation/Feasibility Study (RI/FS) process at hazardous waste sites. The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP: the regulation that implements CERCLA) require that actions selected to remedy hazardous waste sites be protective of human health and the environment. An overview of risk assessment in the RI/FS process is presented in the NCP and in the U.S. Environmental Protection Agency (EPA) manual Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA (USEPA 1988b). A baseline risk assessment is conducted as part of the RI to assess site conditions in the absence of remedial actions. As part of the FS process, risk assessment is used to evaluate the acceptability of proposed remedial actions and as a tool in the development of remediation objectives (target cleanup levels).

Because of the limited scope of work, a preliminary human health risk assessment has been conducted as part of the Site Investigation (SI) for the Indiana Air National Guard Base (ANGB). The risk evaluation examines the presence and release of chemicals from the waste sites under investigation, the observed levels of the compounds in the environment, the potential routes of exposure to human receptors, and the likelihood of adverse health effects following contact with contaminated environmental media. A detailed overview of the evaluation methods used is presented in the following discussion.

The focus of this evaluation is not an absolute assessment of the risks of exposure to the chemicals present at the Indiana ANGB. Rather, this evaluation is an assessment of the relative magnitude of anticipated health problems that may be associated with exposure to chemicals detected at the site. The intention is to determine if there is a significant threat to human health and to assess the need for site remediation.

G.2 OVERVIEW OF METHODS

The general approach to human health risk evaluation of exposure to chemical contaminants has been well-established. The National Research Council (NRC) prepared a comprehensive overview of the structure of this assessment (NRC 1983) that has become the foundation for subsequent EPA guidance. The *Human Health Evaluation Manual* and the *Environmental Evaluation Manual* (USEPA 1989a,b) provide a detailed presentation of the risk assessment process. These documents along with three recently published reports (USEPA 1991a,b,c) are the Agency's key guidance on risk assessment under the Superfund Program.

As specified by EPA, the human health evaluation process may be divided into four fundamental component analyses: (1) data evaluation and hazard identification, (2) exposure assessment, (3) toxicity or hazard assessment, and (4) risk characterization. These analyses are briefly described in the following sections.

G.2.1 Data Evaluation and Hazard Identification

The first step in the risk evaluation process is to obtain and evaluate all available data on contaminants present at the sites under investigation. The objective is to organize the data into a form appropriate for the baseline risk assessment. Once the preliminary data set has been obtained and sorted by environmental medium, the following evaluation steps should be completed:

- Evaluate the analytical methods used to determine if results are appropriate for use in quantitative risk assessment
- Evaluate the quality of data with respect to sample quantitation and detection limits
- Examine laboratory qualifiers assigned to monitoring data and evaluate potential quality assurance/quality control (QA/QC) problems
- Evaluate the quality of data with respect to blanks and tentatively identified compounds (TICs)
- Summarize information on background concentrations of chemicals and compare with observed levels of site-related contamination
- Identify chemicals of potential concern: develop a data set that may be appropriately used in the risk assessment process

• If appropriate, further limit the number of chemicals to be used as the subject of the risk assessment.

From the full listing of all chemicals identified at a waste site or facility, a subset may be identified that is of sufficient quality to be used in risk evaluation. It may be impractical to evaluate all chemicals that have passed through QA/AC review. Representative "highest risk" compounds may be selected on the basis of: (1) quantities present at the site; (2) extent of environmental contamination, toxicity, or hazardousness; and (3) mobility and persistence of the chemical in the environment. This final step is specified as optional by EPA and does not improve the quality or accuracy of the risk evaluation. It is suggested as a device for facilitating the risk evaluation process when time and resources prohibit the evaluation of the full (and often complex) data set.

G.2.2 Exposure Assessment

The objectives of the exposure assessment are to: (1) delineate exposure pathways; (2) identify receptors at risk; and (3) measure or estimate for each receptor the intensity, duration, and frequency of the exposure. Critical to the exposure assessment is a quantification of the releases of contaminants of concern to each environmental medium (from all sources at the waste site) and an assessment of the transport and transformation of the subject compounds. The results of these analyses provide data on the magnitude and extent of contamination. Both monitoring data and environmental transport modeling typically are used in the exposure assessment.

EPA has specified that actions at hazardous waste sites should be based on an estimate of the reasonable maximum exposure (RME) expected to occur under both current and future land-use conditions (USEPA 1989a). EPA defines the RME as the highest exposure that is reasonably expected to occur at a site. RMEs are estimated for individual pathways, and combined across exposure routes if appropriate.

Once receptors at risk are identified, environmental concentrations at points of exposure must be determined or projected. In the evaluation of Indiana ANGB, exposure concentrations are based completely on the results of site monitoring. No transport modeling has been used.

Representative concentrations for use in risk evaluation are taken as the arithmetic mean of the sampling results. "Not detected" results were treated as one-half the limit of detection and included in calculation of the arithmetic mean.

Intake and dose estimates (in mg/kg/day) are developed for each chemical of concern using the representative environmental concentrations (i.e., mean values). Estimates of dose are needed in the risk characterization and are generally determined as follows:

Dose = C x
$$\frac{CR \times EF \times ED \times ABS}{BW \times AT}$$

where:

EF

C = Chemical concentration in the environmental medium under evaluation

CR = Contact rate; the amount of contaminated medium contacted per unit time or event

= Exposure frequency

ED = Exposure duration

ABS = Absorption factor

BW = Body weight; the average over the exposure period

AT = Averaging time; the period over which exposure is averaged.

The above expression is the general form of the equation used to derive estimates of subchronic or chronic intake or dose (lifetime assumed to be 70 years). The chronic dose estimate based on mean concentrations in environmental samples (arithmetic mean) was used as the basis of the risk characterization at all sites under investigation.

Identification of Exposure Pathways

Exposure pathways and contaminated media are identified and used to project exposure of receptor population to site contaminants. Characterization of each contaminant pathway consists of the following five elements:

- Identify potential receptor populations
- Characterize source and mechanism of chemical release to the environment
- Identify environmental transport media for release
- Identify exposure points where a receptor population may come in contact with the contaminated media
- Characterize exposure routes at the exposure point.

Exposure profiles for each area and receptor group are discussed in Section 4.

G.2.2.3 Comparison with Applicable or Relevant and Appropriate Requirements

Once the baseline concentrations of subject chemicals have been determined at the waste sites, these levels are compared to applicable or relevant and appropriate requirements (ARARs). CERCLA of 1980, as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986, requires the selection of remedial actions at Superfund hazardous waste sites that are protective of human health and the environment, cost-effective, and technologically and administratively feasible. Section 121 of CERCLA specifies that response action must be undertaken in compliance with ARARs established in Federal and state environmental laws.

In the revised NCP (NCP: 55 FR 8666) and the guidance document CERCLA Compliance with Other Laws Manual (USEPA 1988a), several different types of requirements are identified with which Superfund remedial actions must comply: (1) ambient or chemical-specific requirements, (2) action-specific requirements, and (3) location-specific requirements. Because situations at CERCLA sites vary widely, EPA cannot categorically specify requirements that will be ARARs for every National Priorities List (NPL) site. ARARs can only be identified on a site-specific basis (i.e., established in connection with the characteristics of the particular site, the chemicals present at the site, and the remedial alternatives suggested by the circumstances of the site).

According to the guidance presented in the revised NCP, protectiveness (i.e., the ability to protect human health and the environment) means that a given remedial alternative meets or exceeds ARARs, or other risk-based levels established through a risk evaluation when ARARs

do not exist or are waived. In the NCP and in the guidance manual on CERCLA compliance with other laws (55 FR 8666, USEPA 1988a, 1989d), EPA specifies that when ARARs are not available for a given chemical, or where such ARARs are not sufficient to be protective, health advisory levels should be identified or developed to ensure that a remedy is protective.

For carcinogenic effects, these health advisory or cleanup levels are to be selected such that the total risk of all contaminants falls within the acceptable range of 10⁴ to 10⁶. Although the 10⁶ risk level is identified by EPA as a "point of departure" in evaluating the results of risk evaluation, the revised NCP clearly indicates that the 10⁴ level is the upper bound of the acceptable range (55 FR 8666). In cases where noncarcinogenic effects are a concern, EPA specifies that cleanup should be based on acceptable levels of exposure as determined by the EPA reference doses (RfDs), taking into account the effects of multiple contaminants and multiple exposure pathways at the site.

Therefore, chemical-specific ARARs serve two primary purposes: (1) requirements that must be met by a selected remedial alternative (unless a waiver is obtained), and (2) as a basis for establishing appropriate cleanup levels. The preliminary health risk evaluation of a given remedial action alternative characterizes the actual risk of exposure of human receptors to contaminants under investigation. For carcinogens, risk characterization yields a probabilistic estimate of the additional lifetime risk of cancer in the exposed individual or the incidence of new cases of cancer in populations. For noncarcinogens, exposure levels or doses for all subject compounds are evaluated to determine if these exceed EPA RfDs or reference concentrations (RfCs). When an ARAR is available for all subject compounds of concern, and the ARARs are determined to be protective, these requirements become the chemical-specific cleanup goals. However, as noted above, when ARARs are found not to be protective or are not available, the results of the risk assessment (i.e., health advisory levels) are used to establish the more stringent target cleanup goals.

Thus, the requirement that a remedial alternative meet chemical-specific ARARs does not ensure that the proposed alternative is protective, and thereby potentially acceptable. This can be determined only by: (1) evaluating the combined carcinogenic risk associated with the ARAR

limits for all chemicals at a given site (assuming additivity of effect in the absence of data on synergism or antagonism); (2) establishing that ARARs do not exceed USEPA RfDs for noncarcinogenic effects, and are sufficiently protective when multiple chemicals are present; (3) determining whether environmental effects (in addition to human health considerations) are adequately addressed by the ARARs; and (4) evaluating whether the ARARs adequately cover all significant pathways of human exposure identified in the preliminary risk evaluation. EPA has provided guidance on evaluating multiple exposure to chemicals (carcinogenic and noncarcinogenic effects) and on establishing acceptable exposure levels when no ARARs exist (USEPA 1986c, 1989a).

A listing of chemical-specific ARARs for all chemicals under investigation at the Indianan ANGB is provided in Section 4.

G.2.3 Toxicity Assessment

The objectives of the toxicity or hazard assessment are to evaluate the inherent toxicity of the compounds under investigation, and to identify and select toxicological measures for use in evaluating the significance of the exposure. In the development of these toxicological measures, available dose-response data are reviewed on the adverse effects to human and nonhuman receptors.

EPA derives RfDs and RfCs based on estimates of the no-observable-adverse-effect level (NOAEL) or lowest-observable-adverse-effect level (LOAEL) in humans or test animals. As follows:

$$RFD = \frac{NOAEL}{(UF \times MF)}$$

where:

NOAEL = No-observable-adverse-effect level (mg/kg body weight/day)

UF = Uncertainty factor (unitless)

MF = Modifying factor (unitless).

The NOAEL is the highest experimental dose at which there was no statistically significant increase in a toxicologically significant end point. Uncertainty factors (UFs) are intended to account for: (1) the variation in sensitivity among the members of the human population; (2) the uncertainty in extrapolating animal data to humans; (3) the uncertainty in extrapolation from data obtained in a study that is of less than lifetime exposure; and (4) the uncertainty in using LOAEL data rather than NOAEL data. Commonly, each of these factors is set equal to 10. The modifying factor (MF) is an additional optionally used factor, the magnitude of which reflects professional judgment regarding the quality of the data used in the toxicological assessment (e.g., the completeness of the overall data base and the number of animals tested).

The inhalation RfC methodology requires conversion of the NOAEL levels observed in animals to human equivalent concentrations (HECs) before the data sets and effects levels can be evaluated and compared. The inhalation RfC is derived as follows:

$$RfC = \frac{NOAEL_{[HEC]}}{(UF \times MF)}$$

where:

NOAEL_[HEC] = No-observable-adverse-effect level (mg/kg body weight/day) adjusted to human equivalent concentration

UF = Uncertainty factor (unitless)

MF = Modifying factor (unitless).

The NOAEL_{HEC} is the key datum obtained from the evaluation of the dose-response relationship. EPA is currently attempting to standardize its approach to determining RfCs. Final guidance has not yet been released by the Agency.

The inhalation RfCs are derived by EPA according to the Interim Methods for Development of Inhalation Reference Doses (EPA/600/8-88/066F August 1989). These methods were developed by Agency scientists in the Office of Research and Development and peer reviewed at a workshop/public meeting held at the U.S. EPA Environmental Research Center in Research Triangle Park on October 6, 1987. It was intended that these methods would be interim and that improvements in the supporting scientific data base and advancements in risk assessment extrapolation procedures would be incorporated on a regular basis.

The assessment of the potential for noncarcinogenic effects (i.e., the use of RfDs and RfCs in risk assessment) is based on the assumption of a threshold below which adverse health effects are not anticipated to occur. Carcinogenesis, however, is generally thought to be a phenomenon for which the presumption of threshold effects is inappropriate (USEPA 1989a). Therefore, EPA does not estimate an effects threshold for this class of chemicals. Alternately, EPA uses a two-part evaluation in which the subject chemical is first assigned a weight-of-evidence classification, and then a cancer potency (slope factor) is calculated.

The weight-of-evidence classification evaluates the evidence that a given chemical is a carcinogen in human and animal systems. These ratings are as follows:

- A: Human carcinogen
- B1: Probable human carcinogen limited human data are available
- B2: Probable human carcinogen sufficient data in animals, and inadequate or no evidence in humans
- C: Possible human carcinogen
- D: Not classifiable as to human carcinogenicity
- E: Evidence of noncarcinogenicity for humans.

EPA develops cancer slope factors, for oral exposure, for carcinogens that have been rated A, B1, B2, and C. The cancer slope factor is a plausible upper-bound estimate of the slope of the dose-response curve in the low dose range. It is interpreted as the probability of a cancer response per unit oral intake of a chemical over a lifetime. In risk assessment, the

cancer potency factor is used to estimate the excess lifetime probability of a carcinogenic effect occurring in exposed receptors.

As of January 1991, inhalation slope factors have been removed from the Integrated Risk Information System (IRIS) data base at the request of the Carcinogen Risk Assessment Verification Endeavor (CRAVE) Work Group. EPA notes that slope factors are expressed in terms of per (mg/kg)/day, and as such represent an ingestion risk. A unit risk factor is a dimensionless number expressed in terms of per (ug/cu.m)/day for air. According to EPA, an inhalation slope factor expressed as per (mg/kg)/day is not a logical application of the data. Converting an inhalation unit risk to a risk in terms of per (mg/kg)/day may be a misleading use of the data and cause users to assume a comparability between routes that is inappropriate. As specified by EPA:

"When dose-response data from both oral and inhalation studies are available for risk calculations, the oral slope factor is calculated directly from the oral data and represents the carcinogenic potential associated with 1 mg/kg/day of "administered body" dose. To calculate a slope factor from inhalation data, many assumptions must be made, including those for conversion between an air concentration and body dose. When pharmacokinetic modeling is applied to inhalation risk estimation, dose-response relationships are figured on the basis of internal or metabolized dose. A slope factor in terms of per (mg/kg)/day represents a back calculation using different absorption assumptions than the pharmacokinetic models. (IRIS Data Base January 1991)"

Following EPA guidance, inhalation unit risk factors should be used when available. In the absence of these measures, inhalation slope factors are adopted.

RfDs or slope factors have not been developed by EPA for the dermal exposure route. In the absence of these factors, the common practice has been use the available toxicity measures for the oral route of exposure. This approach has been adopted in the preliminary risk assessment of the Indianan ANGB waste sites. Note, however, that there is considerable uncertainty with the use of oral measures for the dermal exposure pathway. The results of risk assessment that incorporate these measures should not be interpreted as characterizing actual risks to human health via the dermal exposure pathway. The risk measures derived should be

considered only a screening-level tool for evaluating the relative significance of the observed levels of contamination in environmental media.

In evaluating the dermal pathway, EPA recommends expressing chemical intake as absorbed dose and adjusting the oral toxicity measures also to reflect absorbed dose (USEPA 1989a). Most of the toxicity measures available from EPA are expressed as administered dose (i.e., intake) rather than dose at the tissue level (i.e., absorbed dose). The adjustment of the oral toxicity measure can be accomplished only if sufficient data are available in the principal laboratory studies, on oral absorption efficiency in the species on which the toxicity measures are based. EPA notes that exposure estimates for absorption efficiency should not be adjusted if the toxicity values are based on administered doses (USEPA 1989a).

Thus, in conducting an assessment of risk of exposure to chemicals released from waste sites, several toxicity measures of importance may be identified:

- RfDs for oral exposure acceptable intake values for subchronic and chronic exposure (noncarcinogenic effects)
- RfDs for inhalation exposure acceptable intake values for sub-chronic and chronic exposure (noncarcinogenic effects)
- Carcinogenic slope factors for oral exposure
- Unit risk factors for evaluating cancer risk via inhalation exposure, or cancer slope factors for inhalation exposure in the absence of unit risk measures.

The primary sources of information for these data is the IRIS data base. IRIS is a computer-housed catalog of EPA risk assessment and risk management information for chemical substances. Data in the IRIS system are regularly reviewed and updated monthly. If toxicity measures are not available on IRIS, EPA recommends use of the EPA ORD Health Effects Assessment Summary Tables (HEAST: FY 1991. USEPA 1991d) as the second most current source of information. Science Applications International Corporation (SAIC) has on-line access to the IRIS data base and receives the quarterly HEAST publications from EPA ORD. Therefore, the risk assessment is based on the most up-to-date EPA-approved toxicity measures available for waste site evaluation.

A summary of the toxicity measures used in the evaluation of the waste sites at is presented in Section 4.

G.2.4 Risk Characterization

The last step in the human health risk assessment is risk characterization. This is the process of integrating the results of the exposure and hazard (toxicity) assessment (i.e., of comparing estimates of dose with appropriate toxicological endpoints to determine the likelihood of adverse effects in exposed populations). It is common practice to consider risk characterization separately for carcinogenic and noncarcinogenic effects. This is due to a fundamental difference in the way organisms typically respond following exposure to carcinogenic or noncarcinogenic agents. For noncarcinogenic effects, toxicologists recognize the existence of a threshold of exposure below which there is only a very small likelihood of adverse health impacts in an exposed individual. Exposure to carcinogenic compounds, however, is not thought to be characterized by the existence of a threshold. Rather, all levels of exposure are considered to carry a risk of adverse effect.

The procedure for calculating risk associated with exposure to carcinogenic compounds has been established by EPA (USEPA 1986b,c; USEPA 1989a). A non-threshold, dose-response model is used to calculate a cancer slope (potency) factor (which mathematically is the slope of the dose-response curve) for each chemical. To derive an estimate of risk, the cancer slope factor (CSF - defined below) is then multiplied by the estimated chronic daily dose experienced by the exposed individual:

where:

Risk = Upper-bound estimate of the excess lifetime cancer risk to an individual (unitless probability)

CDI = Chronic daily dose averaged over a 70-year period (mg/kg body weight/day)

CSF = 95% upper-bound estimate of the slope of the dose-response curve (mg/kg body weight/day)⁻¹.

The slope factor CSF is used to convert estimates of daily intake or dose averaged over a lifetime, to incremental excess risk of an individual developing cancer. EPA notes that use of this equation assumes that the dose-response relationship is linear in the low-dose portion of the multistage model dose-response curve (USEPA 1989a: A linearized multistage dose response model is most commonly used by EPA in deriving the slope estimates.) Given this assumption, the slope factor is a constant and risk is directly proportional to intake.

EPA indicates that use of the linear equation (above) for risk estimation is valid only at risk levels $< 1 \times 10^{-2}$. The Agency recommends use of the following equation (based on the "one-hit" model of carcinogenesis) as an alternative at sites where exposure and intakes are projected to be quite high, and risk levels may exceed 1×10^{-2} .

Risk =
$$1 - \exp(-CDI \times CSF)$$

In evaluating risk of exposure to more than one carcinogen, the risk measure for each compound may be summed (in the absence of information on antagonistic or synergistic effects) to provide an overall estimate of total carcinogenic risk (USEPA 1989a).

$$Risk_{T} = \sum_{i=1}^{n} Risk_{i}$$

where:

Risk_T = The combined excess lifetime cancer risk across chemical carcinogens

Risk_i = The risk estimate for the ith chemical of n chemicals under evaluation.

This is conducted for each source of environmental release, associated exposure pathway, and receptor group at risk of exposure. Population risks are derived by multiplying the overall

risk level (summed for all subject chemicals) by the number of people exposed. This would yield a measure of the additional incidence of developing cancer (i.e., additional number of new cases) in the exposed population over a lifetime (i.e., 70 years) of exposure.

The traditionally accepted practice of evaluating exposure to noncarcinogenic compounds has been to experimentally determine a NOAEL and to divide this by a safety factor to establish an acceptable human dose, for example, acceptable daily intake or RfD (NRC 1983). The RfD is then compared to the average daily dose experienced by the exposed population to obtain a measure of concern for adverse noncarcinogenic effects:

$$HQ = \frac{Dose}{RfD}$$

where:

HQ = Hazard Quotient: potential for adverse noncarcinogenic effects

Dose = Average daily dose for subchronic or chronic exposure (mg/kg body weight/day)

RfD = Acceptable intake for subchronic or chronic exposure (mg/kg body weight/day).

Dose and the RfD are expressed in the same units and are based upon common exposure periods (i.e., chronic, subchronic, or shorter-term). If the HQ is > 1, there may be potential for adverse noncarcinogenic effects at the given exposure/dose level. Guidelines for evaluating exposure to mixtures of noncarcinogens is presented by EPA (USEPA 1986b, 1989a). Essentially, this involves summing the HQ (ratios of daily dose/RfD) for all chemicals under evaluation. If the sum of these ratios, called the Hazard Index (HI), is > 1, there is the potential for adverse noncarcinogenic effects. Under these circumstances, EPA recommends segregating the compounds into groups of like or common toxicological effects, and again evaluating the potential for manifestation of the various adverse health effects identified.

G.2.5 Evaluation of Uncertainty

It is important to emphasize that the preliminary risk evaluation is primarily a decision making tool for use in assessing the need for remedial action. The results of risk evaluations are presented in terms of the potential for adverse effects based upon a number of very conservative assumptions.

Some discussion of the uncertainties associated with each step in the risk assessment has been provided in the body of the report (Section 4). The uncertainties in each component of the risk evaluation process are compounded in the overall calculation to yield final estimates with wide uncertainty ranges. For example, if an estimate of the average daily dose for a compound has an uncertainty range a factor of 10 above and below the point estimate used in the exposure assessment, the uncertainty range for the final estimated health effect must be at least that large.

The sources of uncertainty may be site-related (i.e., limited data are available), or may be associated with the assumptions and procedures used during the risk evaluation. If limited data are available, one sample with an extreme concentration (high or low) may bias the exposure estimates. With a small data set that cannot meaningfully be evaluated statistically, it is very difficult to identify and eliminate anomalous results.

The final quantitative measures of the potential for adverse affects must be recognized as point estimates within a distribution of potential outcomes. The estimates of the potential for human health effects at the Indiana ANGB are necessarily uncertain. However, the use RME assumptions (as recommended by EPA: USEPA 1989a) in this study, ensures a conservative estimate of risk that is protective of human health.

REFERENCES

Integrated Risk Information System. 1989. U.S. Environmental Protection Agency on-line data base of toxicity measures. Office of Research and Development, Environmental Criteria and Assessment Office, Cincinnati, Ohio. Electronic Mail Account Information via Dialcom, Inc. 600 Maryland Ave, SW, Washington, DC.

NRC. 1983. Risk Assessment in the Federal Government: Managing the Process. National Research Council. National Academy Press, Washington, DC.

Ryan, E.A., E.T. Hawkins, B. Magee, and S.L. Santow. 1987. Assessing Risk from Dermal Exposure at Hazardous Waste Sites. Proceedings of the 1987 Superfund Conference, HMCRI, p. 166-168.

USEPA. 1986a. Superfund Public Health Evaluation Manual. U.S. Environmental Protection Agency, Office of Emergency and Remedial Response, Washington, DC. EPA 540/1-86/060.

USEPA. 1986b. Guidelines for Carcinogenic Risk Assessment. U.S. Environmental Protection Agency. Federal Register 51(185):33991-34003.

USEPA. 1986c. Guidelines for the Health Risk Assessment of Chemical Mixtures. U.S. Environmental Protection Agency. Federal Register 51(185):34014-34025.

USEPA. 1987. Superfund Program: Interim Guidance on Compliance with Other Applicable or Relevant and Appropriate Requirements. Federal Register 52(166):32496-32499.

USEPA. 1988a. CERCLA Compliance with Other Laws Manual. U.S. Environmental Protection Agency, Office of Emergency and Remedial Response. OSWER Directive 9234.1-01.

USEPA. 1988b. Guidance for Conducting Remedial Investigations and Feasibility Studies under CERCLA. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency and Remedial Response. OSWER Directive 9335.3-01.

USEPA. 1988c. National Oil and Hazardous Substances Pollution Contingency Plan (NCP). Federal Register 53(245):51394-51520.

USEPA. 1989a. Risk Assessment Guidance for Superfund: Human Health Evaluation Manual Part A. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency and Remedial Response. OSWER Directive 9285.701A.

USEPA. 1989b. Exposure Factors Handbook. U.S. Environmental Protection Agency, Office of Health and Environmental Assessment. EPA/600/8-89/043.

USEPA. 1989c. Risk Assessment Guidance for Superfund: Volume II Environmental Evaluation Manual. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency and Remedial Response. EPA/540/1-89/001.

USEPA. 1989d. CERCLA Compliance with Other Laws Manual Part II. U.S. Environmental Protection Agency, Office of Emergency and Remedial Response. OSWER Directive 9234.1-01.

USEPA. 1990. National Oil and Hazardous Substances Pollution Contingency Plan (NCP). Federal Register 55(46):8666-8865.

USEPA 1991a Human Health Evaluation Manual, Supplemental Guidance: Standard Default Exposure Factors. US Environmental Protection Agency, Office of Solid Waste and Emergency Response. OSWER Directive 9285.6-03

USEPA 1991b Human Health Evaluation Manual, Part B: Development of Risk-based Preliminary Remediation Goals. US Environmental Protection Agency, Office of Solid Waste and Emergency Response. OSWER Directive 9285.7-01B

USEPA 1991c Human Health Evaluation Manual, Part C: Risk Evaluation of Remedial Alternatives. US Environmental Protection Agency, Office of Solid Waste and Emergency Response. OSWER Directive 9285.7-01C

USEPA. 1991d. Health Effects Assessment Summary Tables FY 1991 U.S. Environmental Protection Agency, Office of Research and Development. OERR 9200.6-303-(91-1).

APPENDIX H
GEOTECHNICAL ANALYTICAL RESULTS

122nd Tactical Fighter Wing, Indiana Air National Guard, Fort Wayne, Indiana Table H-1. Geotechnical Testing Results of Soil at

Site	Sample ID	Sample Depth (feet BLS)	Depth of Water During Drilling (feet BLS)	% Sand	% Silt	% Clay	Textural Classification
Background	BG1	34 - 35	37	25	22	23	Clay
Site 1	SB1-1-6	14.5 - 16.0	34	35	30	35	Clay Loam
Site 4	SB4-1-4	24 - 25.5	34	19	30	51	Clay
Site 4	SB4-1-5	19 - 21.5	34	93	2	5	Sand
Site 3	SB3-1-8	34.5 - 36	38	23	26	51	Clay

Site	Sample ID	Sample Depth (feet BLS)	Depth of Water During Drilling (feet BLS)	Hd %	% Organic Matter*	% Moisture **
Background	BG1	34 - 35	37	8.2	2.31	15.0
Site 1	SB1-1-6	30 - 31.5	34	8.3	1.48	7.7
Site 4	SB4-1-4	14.5 - 16.0	34	8.2	1.98	14.8
Site 4	SB4-1-5	19 - 21.5	34	7.7	0.55	7.3
Site 3	SB3-1-8	34.5 - 36	38	8.2	2.09	17.0

By Walkley-Black Titration

Note: Samples for Geotechnical Analyses were collected just above the water table, except for samples from Site 4. At Site 4, borings were not drilled to the water table. Two samples were submitted from Site 4 to represent two distinct lithologies observed during drilling.

^{** @ 100} degrees Celsius